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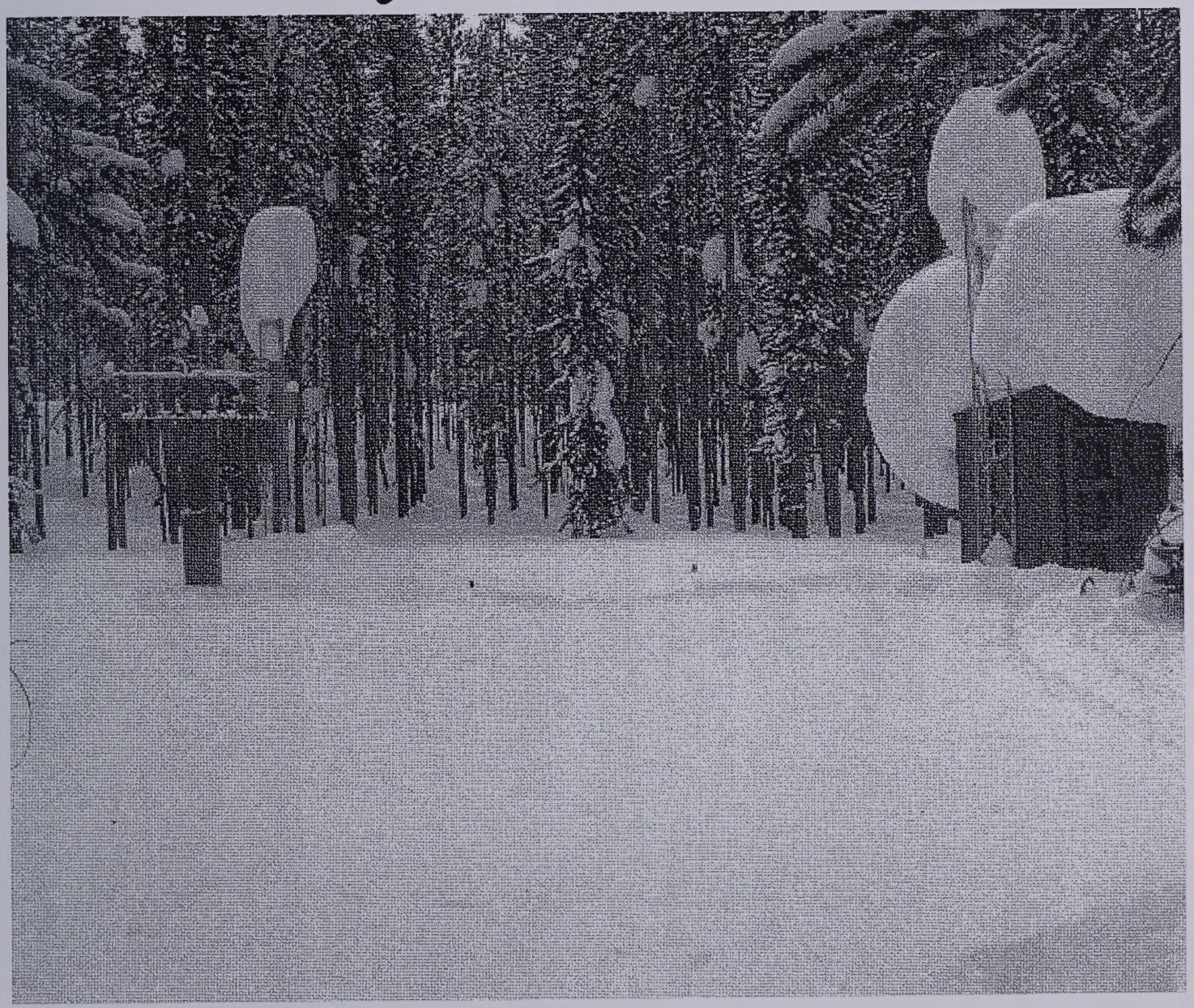
Natural Resources Conservation Service

Montana Water Supply Outlook Report May 1, 2011



Picture: Madison Plateau SNOTEL Site near West Yellowstone

Water Supply Outlook Report
and
Federal - State - Private
Cooperative Snow Surveys

For more water supply and resource management information, contact:

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How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Natural Resources Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

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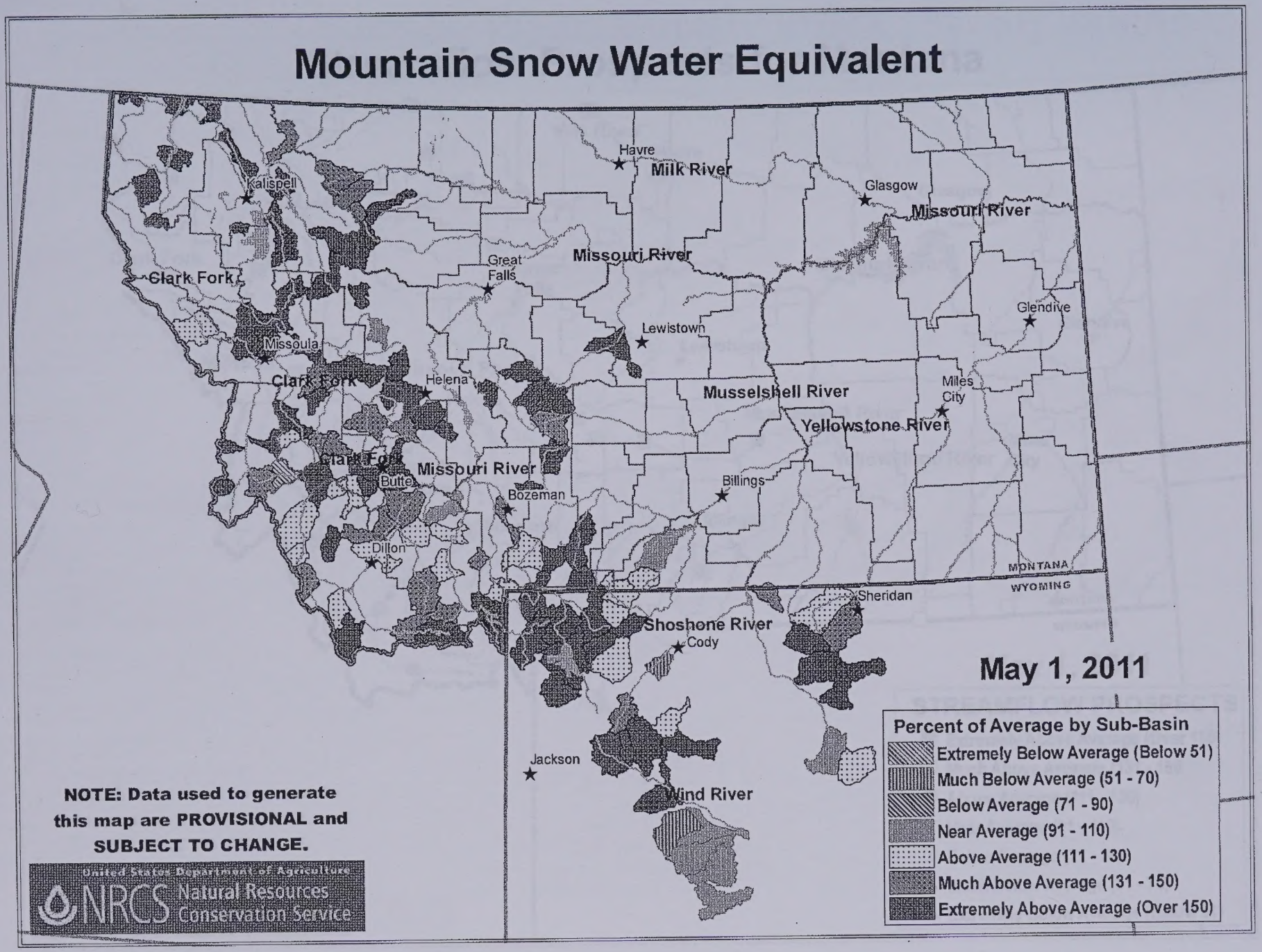
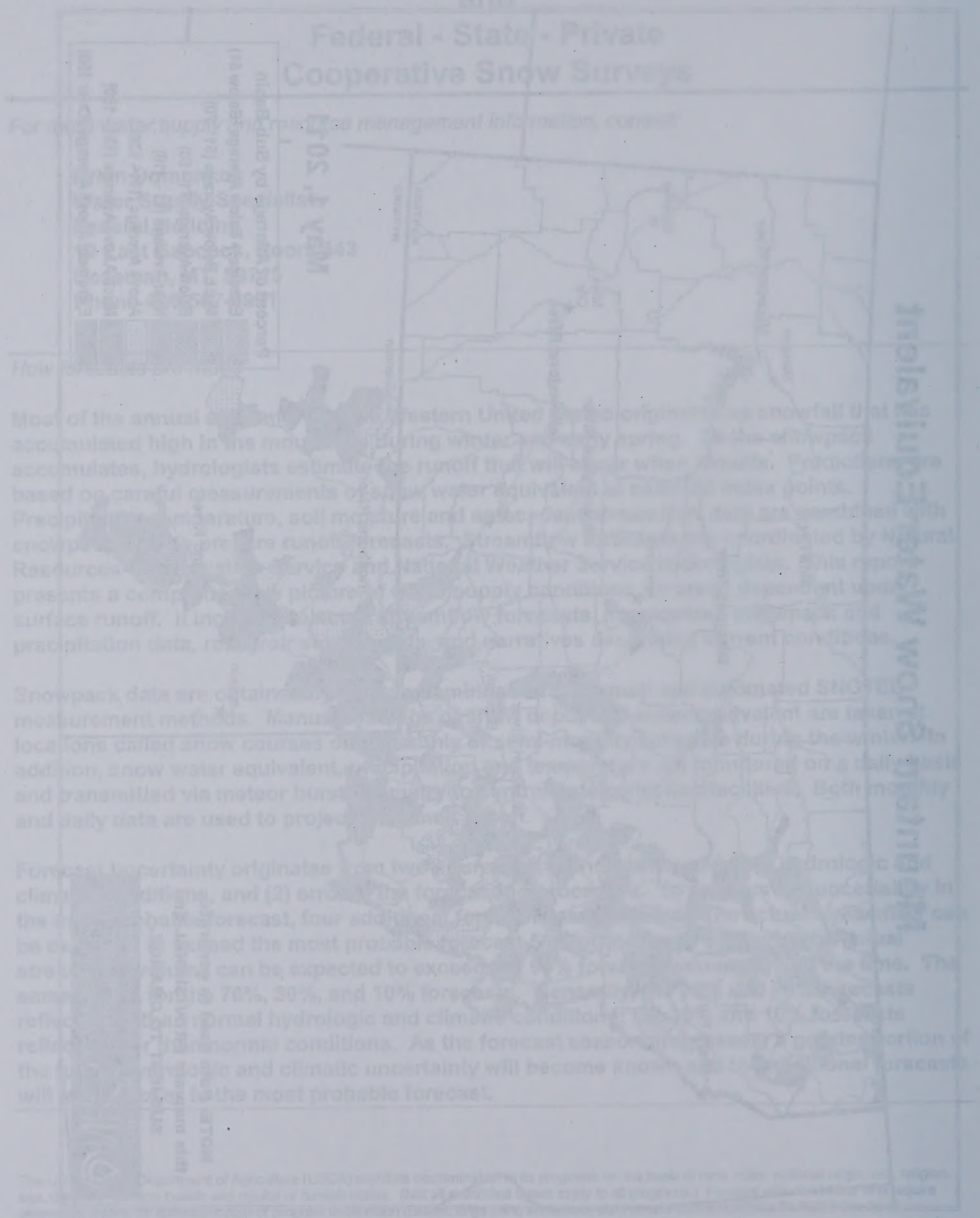
Mountain Snow Water Equivalent



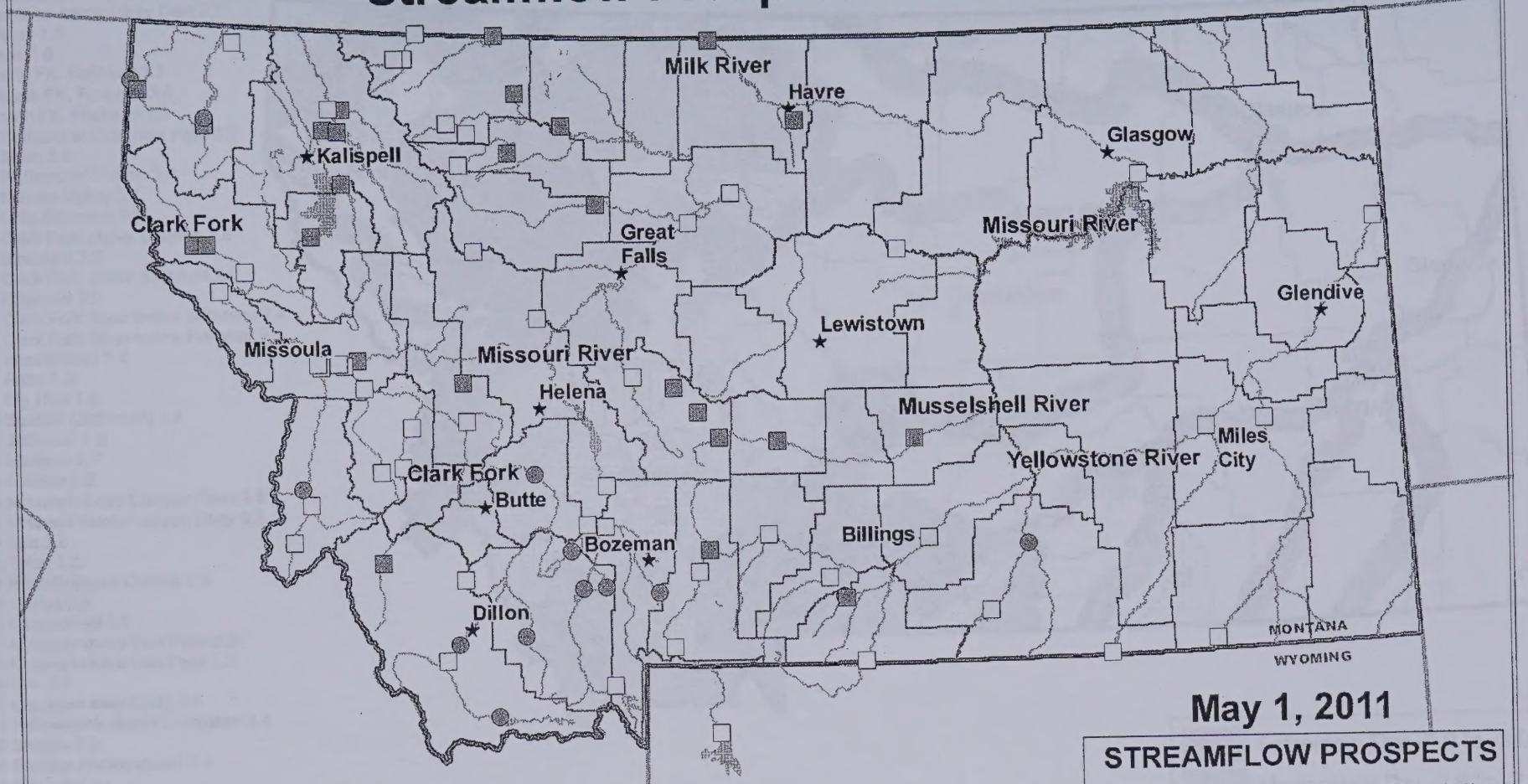
Water Supply Outlook Report

and

Federal - State - Private Cooperative Snow Surveys



Streamflow Prospects for Montana



May 1, 2011

STREAMFLOW PROSPECTS

- Extremely Above Average (Over 150)
- Much Above Average (131 - 150
- Above Average (111 - 130)
- Near Average (91 - 110)
- Below Average (71 - 90)
- Much Below Average (51 - 70)
- Extremely Below Average (Below 51)

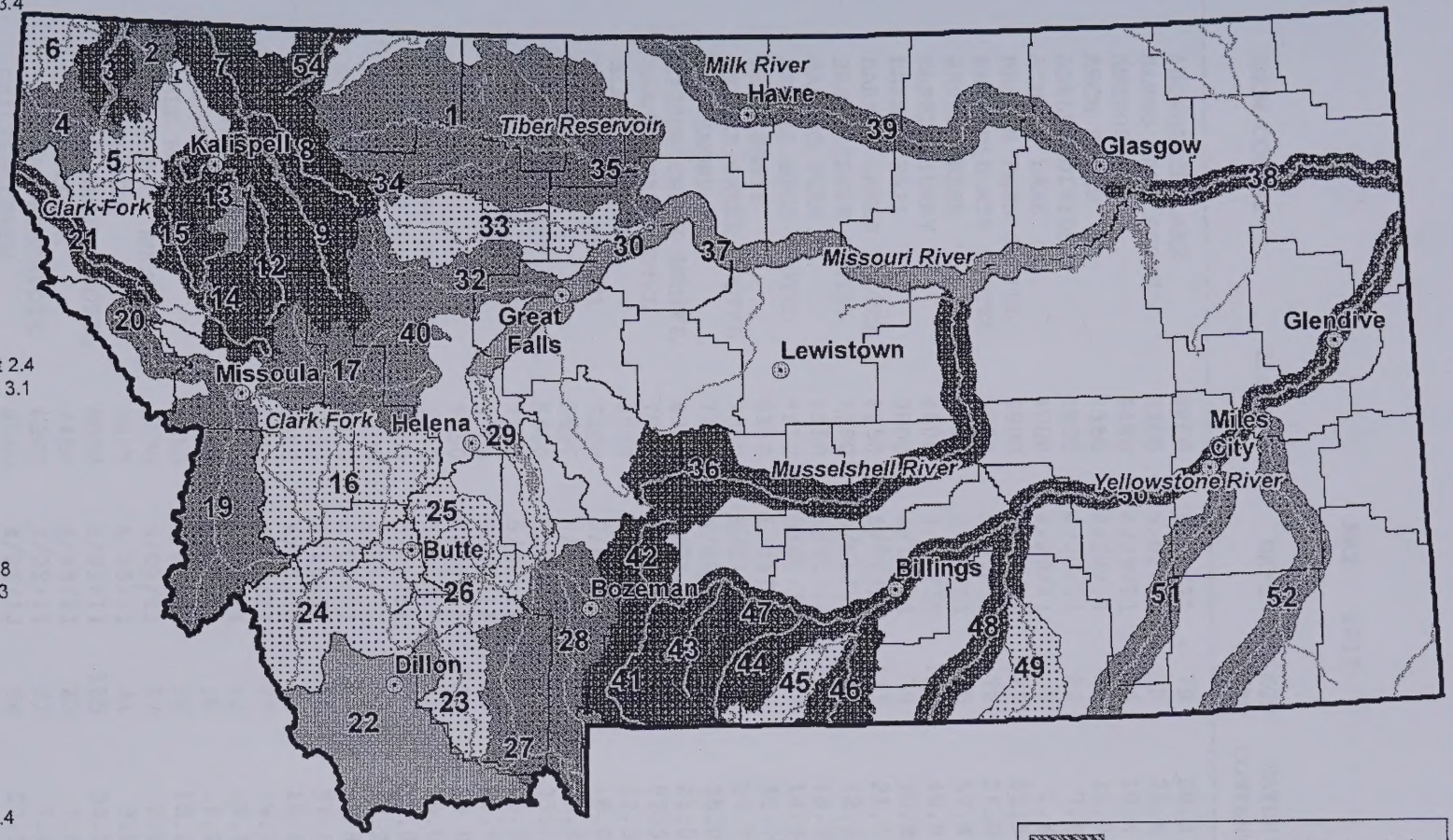
NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

United States Department of Agriculture
NRCS Natural Resources Conservation Service

Surface Water Supply Index (SWSI) Values

RIVER INDEX & SWSI VALUES

1 Marias above Tiber Reservoir 2.5
2 Tobacco 2.3
3 Kootenai Ft. Steele to Libby Dam 3.4
4 Kootenai below Libby Dam 2.7
5 Fisher 1.5
6 Yaak 1.6
7 North FK. Flathead 3.3
8 Middle FK. Flathead 3.8
9 South FK. Flathead 3.9
10 Flathead at Columbia Falls 3.9
12 Swan 3.8
13 Flathead at Polson 3.5
14 Mission Valley 3.7
15 Little Bitterroot 3.8
16 Clark Fork above Milltown 1.6
17 Blackfoot 2.5
18 Clark Fork above Missoula 2.5
19 Bitterroot 2.2
20 Clark Fork River below Bitterroot 2.4
21 Clark Fork River below Flathead 3.1
22 Beaverhead 0.4
23 Ruby 1.3
24 Big Hole 1.6
25 Boulder (Jefferson) 1.8
26 Jefferson 1.9
27 Madison 2.7
28 Gallatin 2.2
29 Missouri above Canyon Ferry 1.8
30 Missouri below Canyon Ferry 0.3
32 Sun 2.6
33 Teton 1.9
34 Birch/Dupuyer Creeks 2.5
35 Marias 2.8
36 Musselshell 2.9
37 Missouri above Fort Peck 0.8
38 Missouri below Fort Peck 3.2
39 Milk 2.5
40 Dearborn near Craig 2.4
41 Yellowstone above Livingston 3.4
42 Shields 3.0
43 Boulder (Yellowstone) 3.4
44 Stillwater 3.1
45 Rock/Red Lodge Creeks 1.8
46 Clarks Fork Yellowstone 3.3
47 Yellowstone above Bighorn River 3.3
48 Bighorn below Bighorn Lake 3.3
49 Little Bighorn 1.8
50 Yellowstone below Bighorn 3.3
51 Tongue 2.6
52 Powder 2.2
54 Saint Mary 3.1



May 1, 2011

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United States Department of Agriculture
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- Extremely Dry -4.0 to -3.0
- Moderately Dry -2.9 to -2.0
- Slightly Dry -1.9 to -1.0
- Near Average -0.9 to 0.9
- Slightly Wet 1.0 to 1.9
- Moderately Wet 2.0 to 2.9
- Extremely Wet 3.0 to 4.0
- SWSI Not Applicable

MAY 2011

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
ABUNDANCE LAKE	8800	5/02/11	79	28.3	46.6	22.9
ALBRO LAKE SNOTEL	8300	5/01/11	72	22.6	16.1	23.3
AMBROSE	6480	4/29/11	56	18.4	7.0	11.1
ARCH FALLS	7350	4/28/11	51	15.7	7.4	13.1
ASHLEY DIVIDE	4820	4/29/11	20	7.6	.0	1.1
ASHLEY LAKE	4000	4/29/11	5	1.8	.0	1.2
BADGER PASS SNOTEL	6900	5/01/11	129	52.5	26.9	36.2
BANFIELD MTN SNOTEL	5600	5/01/11	76	26.0	7.3	17.1
BAREE CREEK	5500	4/28/11	140	57.4	27.4	40.3
BAREE MIDWAY	4600	4/28/11	111	40.9	18.1	27.4
BAREE TRAIL	3800	4/28/11	30	10.8	.0	1.3
BARKER LAKES SNOTEL	8250	5/01/11	71	21.1	17.3	16.2
BASIN CREEK SNOTEL	7180	5/01/11	44	12.3	7.0	10.0
BASSOO PEAK	5150	5/01/11	---	13.0E	.0	3.2
BEAGLE SPGS SNOTEL	8850	5/01/11	47	14.8	9.5	9.3
BEAR BASIN	8150	5/01/11	---	30.7E	15.9	21.2
BEAVER CREEK SNOTEL	7850	5/01/11	76	27.7	14.5	18.8
BIG SNOWY	7150	4/28/11	98	35.0	32.3	22.5
BISSON CREEK SNOTEL	4920	5/01/11	62	21.0	8.7	3.6
BLACK BEAR SNOTEL	7950	5/01/11	148	57.9	27.2	39.9
BLACK MOUNTAIN	7750	4/27/11	68	22.3	11.5	16.9
BLACK PINE SNOTEL	7100	5/01/11	52	18.0	6.1	11.0
BLACKTAIL	5650	4/29/11	61	23.6	6.3	9.7
BLACKTAIL MTN SNOTEL	5650	5/01/11	64	25.0	--	--
BLOODY DICK SNOTEL	7550	5/01/11	47	16.3	5.1	10.9
BLUE LAKE	5900	5/02/11	85	32.6	15.5	22.4
BOTS SOTS	7750	4/25/11	31	10.0	.0	7.4
BOULDER MTN SNOTEL	7950	5/01/11	91	29.0	20.9	21.6
BOX CANYON SNOTEL	6700	5/01/11	41	15.9	2.6	6.0
BOXELDER CREEK	5100	4/29/11	24	8.2	1.2	2.6
BRACKETT CR SNOTEL	7320	5/01/11	94	35.8	21.3	21.5
BRANHAM LAKES	8850	4/26/11	100	37.6	26.0	32.2
BRUSH CREEK TIMBER	5000	4/27/11	45	18.6	.0	3.6
BULL MOUNTAIN	6600	4/25/11	27	9.1	.0	2.6
BURNT MTN SNOTEL	5880	5/01/11	12	3.9	.0	1.0
CABIN CREEK	5200	4/27/11	18	6.2	.0	1.4
CALL ROAD	8050	5/02/11	50	15.3	6.5	12.5
CALVERT CR SNOTEL	6430	5/01/11	25	8.8	.5	2.4
CAMP SENIA	7890	4/25/11	34	9.8	4.9	7.6
CARROT BASIN SNOTEL	9000	5/01/11	105	36.5	22.9	31.0
CARTER CREEK	7400	4/28/11	25	7.8	1.4	6.0
CHESSMAN RESERVOIR	6200	4/28/11	21	7.6	.0	1.7
CHICKEN CREEK	4060	4/26/11	56	20.9	4.7	5.4
CLOVER MDW SNOTEL	8800	5/01/11	75	23.1	17.1	19.4
COLE CREEK SNOTEL	7850	5/01/11	60	17.0	14.8	19.7
COLLEY CREEK	6300	4/25/11	28	9.6	1.9	4.3
COMBINATION SNOTEL	5600	5/01/11	14	4.5	.0	1.2
COPPER BOTTOM SNOTEL	5200	5/01/11	12	4.8	.0	4.5
COPPER CAMP SNOTEL	6950	5/01/11	145	62.5	27.6	--

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
COPPER MOUNTAIN	7700	4/26/11	52	15.5	6.7	10.0
COTTONWOOD CREEK	6400	4/27/11	33	9.8	4.0	7.3
COYOTE HILL	4200	4/29/11	22	8.2	.3	2.6
CRYSTAL LAKE SNOTEL	6050	5/01/11	85	27.7	21.8	9.4
DAD CREEK LAKE	8400	5/02/11	62	21.1	15.3	16.8
DAISY PEAK SNOTEL	7600	5/01/11	68	17.4	10.1	11.0
DALY CREEK SNOTEL	5780	5/01/11	36	12.7	2.3	5.3
DARKHORSE LK. SNOTEL	8700	5/01/11	120	42.9	25.0	35.4
DAVIS CREEK	5400	4/26/11	93	35.7	13.5	20.2
DEADMAN CR SNOTEL	6450	5/01/11	56	17.4	11.1	5.9
DISCOVERY BASIN	7050	4/26/11	52	16.6	7.2	9.4
DIVIDE SNOTEL	7800	5/01/11	49	15.8	9.3	12.0
DIX HILL	6400	5/01/11	38	14.3	.0	3.8
DUPUYER CREEK SNOTEL	5750	5/01/11	53	15.9	2.0	7.9
EAST FORK R.S.	5400	4/28/11	2	.3	.0	.7
ELK HORN SPRINGS	7800	5/02/11	40	13.4	2.7	7.5
ELK PEAK	8000	5/03/11	78	24.8	12.4	17.8
EMERY CREEK SNOTEL	4350	5/01/11	58	22.2	2.3	7.4
FATTY CREEK	5500	5/02/11	113	43.4	25.2	23.4
FISH CREEK	8000	4/29/11	53	15.2	8.7	11.5
FISHER CREEK SNOTEL	9100	5/01/11	137	51.4	24.8	37.8
FIVE-BULL	5700	4/25/11	32	10.3	.0	2.0
FLATTOP MTN SNOTEL	6300	5/01/11	169	64.7	39.8	46.7
FLEECER RIDGE	7500	4/25/11	41	13.6	1.1	8.7
FOOLHEN	8280	5/02/11	63	22.0	10.0	17.7
FOUR MILE	6900	4/27/11	29	9.3	3.2	6.2
FREIGHT CREEK	6000	4/25/11	51	19.4	2.6	12.0
FROHNER MDWS SNOTEL	6480	5/01/11	37	11.3	4.3	6.5
GARVER CREEK SNOTEL	4250	5/01/11	38	14.4	1.6	3.2
GOLD STONE	8100	5/02/11	60	21.1	8.4	17.7
GRASSHOPPER	7000	4/26/11	42	9.7	1.3	4.0
GRAVE CRK SNOTEL	4300	5/01/11	63	25.2	5.5	7.0
GRIFFIN CR DIVIDE	5150	4/27/11	39	14.1	.0	4.9
GUNSIGHT LAKE	6300	5/02/11	141	57.6	25.4	--
HAND CREEK SNOTEL	5030	5/01/11	42	16.4	4.1	6.8
HAWKINS LAKE SNOTEL	6450	5/01/11	117	43.5	19.8	28.9
HEBGEN DAM	6550	4/29/11	34	14.0	.5	6.6
HELL ROARING DIVIDE	5770	4/29/11	122	48.3	21.5	29.0
HERRIG JUNCTION	4850	4/26/11	90	35.8	18.8	22.9
HOLBROOK	4530	5/02/11	12	3.0	.0	1.2
HOODOO BASIN SNOTEL	6050	5/01/11	157	59.2	26.7	45.7
ICEBERG LAKE NO 3	5600	4/28/11	117	44.6	20.9	27.7
INDEPENDENCE	7850	4/29/11	69	25.8	9.4	16.1
INTERGAARD	6450	4/24/11	32	7.4	1.9	6.1
JAHNKE LAKE TRAIL	7200	5/02/11	35	7.0	2.1	9.4
JOHNSON PARK	6450	5/01/11	---	4.3E	.0	1.4
JOSEPHINE LOWER NO 9	4900	4/27/11	65	26.2	6.2	13.0
KRAFT CREEK SNOTEL	4750	5/01/11	39	14.8	.6	5.2
LAKE CREEK	6100	5/02/11	18	6.7	.0	2.7
LAKEVIEW CANYON	6930	5/04/11	47	14.9	5.2	9.7
LAKEVIEW RDG. SNOTEL	7400	5/01/11	49	15.6	4.3	8.7
LEMHI RIDGE SNOTEL	8100	5/01/11	58	17.1	10.1	10.9
LICK CREEK SNOTEL	6860	5/01/11	61	18.8	9.2	10.1
LITTLE PARK	7400	4/28/11	61	22.4	8.1	15.9

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
LOGAN CREEK	4300	4/27/11	32	10.4	.0	1.7
LONE MOUNTAIN SNOTEL	8880	5/01/11	95	32.3	16.1	20.8
LOWER TWIN SNOTEL	7900	5/01/11	70	21.8	16.9	21.3
LUBRECHT SNOTEL	4680	5/01/11	0	.0	.0	.5
LUBRECHT FOREST NO 3	5450	4/28/11	15	3.8	.0	1.7
LUBRECHT FOREST NO 4	4650	4/28/11	0	.0	.0	.1
LUBRECHT FOREST NO 6	4040	4/28/11	0	.0	.0	.0
LUBRECHT HYDROPLOT	4200	4/28/11	0	.0	--	.1
MADISON PLT SNOTEL	7750	5/01/11	101	38.0	16.1	24.2
MANY GLACIER SNOTEL	4900	5/01/11	53	21.0	.0	5.7
MARIAS PASS	5250	4/30/11	72	26.9	4.0	12.5
MIDDLE MILL CREEK	7850	4/26/11	60	19.9	12.2	15.1
MILL CREEK	7500	4/25/11	57	18.9	6.3	10.3
MINERAL CREEK	4000	4/27/11	41	17.8	.0	9.6
MONUMENT PK SNOTEL	8850	5/01/11	92	32.6	17.5	23.2
MOSS PEAK SNOTEL	6780	5/01/11	179	70.7	42.1	41.8
MOULTON RESERVOIR	6850	4/29/11	31	8.0	.0	3.5
MOUNT ALLEN NO 7	5700	4/27/11	137	44.3	28.7	41.7
MT LOCKHART SNOTEL	6400	5/01/11	94	34.9	13.6	21.2
MUDD LAKE	7650	5/02/11	67	25.8	9.6	18.1
MULE CREEK SNOTEL	8300	5/01/11	70	23.3	12.8	17.0
N.E. ENTRANCE SNOTEL	7350	5/01/11	46	17.2	.6	7.1
NEVADA RIDGE SNOTEL	7020	5/01/11	69	25.0	8.8	14.4
NEW WORLD	6900	5/04/11	63	24.3	8.7	--
NEZ PERCE CMP SNOTEL	5650	5/01/11	46	16.8	5.5	10.8
NEZ PERCE CREEK	6600	4/26/11	24	7.6	.0	2.7
NEZ PERCE PASS	6570	4/29/11	61	23.4	7.8	14.2
N.F. ELK CR SNOTEL	6250	5/01/11	53	18.6	5.2	8.0
NF JOCKO SNOTEL	6330	5/01/11	159	67.0	36.4	44.4
NOISY BASIN SNOTEL	6040	5/01/11	192	76.6	38.8	43.8
NOTCH	8500	5/02/11	75	26.4	17.0	19.4
OPHIR PARK	7150	5/01/11	67	21.9	8.2	16.0
PETERSON MDW SNOTEL	7200	5/01/11	58	15.3	10.4	11.0
PICKET PIN LOWER	6200	4/28/11	10	3.4	.0	--
PICKET PIN MIDDLE	7250	4/28/11	36	13.9	.0	--
PICKET PIN UPPER	8100	4/28/11	71	26.4	17.5	--
PICKFOOT CRK SNOTEL	6650	5/01/11	51	18.1	4.5	6.4
PIEGAN PASS NO 6	5500	4/27/11	124	38.3	21.8	35.5
PIKE CREEK SNOTEL	5930	5/01/11	72	27.7	5.0	25.9
PIPESTONE PASS	7200	4/26/11	32	9.2	1.8	4.8
PLACER BASIN SNOTEL	8830	5/01/11	81	26.6	15.1	19.8
POORMAN CR SNOTEL	5100	5/01/11	136	60.0	20.4	30.0
PORCUPINE SNOTEL	6500	5/01/11	33	10.6	1.3	3.6
POTOMAGETON PARK	7150	4/28/11	49	20.5	3.3	8.3
PTARMIGAN	5800	4/28/11	122	45.4	21.0	33.5
RED MOUNTAIN	6000	4/28/11	71	25.9	11.1	16.4
REVAIS CREEK	4800	5/01/11	---	.0E	.0	.5
ROCK CREEK	5600	4/28/11	47	18.1	4.4	4.4
ROCK CREEK MEADOW	8160	4/26/11	92	29.2	14.3	22.7
ROCKER PEAK SNOTEL	8000	5/01/11	80	23.0	13.6	16.6
ROCKY BOY SNOTEL	4700	5/01/11	17	5.5	3.5	1.2
SACAJAWEA SNOTEL	6550	5/01/11	71	24.4	12.9	12.8
SADDLE MTN SNOTEL	7900	5/01/11	94	35.5	13.7	26.5
S.F. SHIELDS SNOTEL	8100	5/01/11	94	24.8	18.9	19.6

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
SHORT CREEK SNOTEL	7000	5/01/11	34	9.2	3.1	4.7
SHOWER FALLS SNOTEL	8100	5/01/11	109	33.2	23.4	26.9
SKALKAHO SNOTEL	7260	5/01/11	87	32.6	12.3	25.4
SLAG-A-MELT LAKE	8750	5/02/11	90	34.4	15.0	26.7
SLEEPING WOMAN SNTL	6150	5/01/11	73	27.5	10.2	13.4
SLIDE ROCK MOUNTAIN	7100	4/24/11	65	20.6	8.8	15.7
SMUGGLER MINE	6960	4/26/11	44	13.9	6.4	7.6
SPOTTED BEAR MTN.	7000	5/02/11	54	22.1	3.6	7.6
SPUR PARK SNOTEL	8100	5/01/11	108	34.6	23.0	23.2
STAHL PEAK SNOTEL	6030	5/01/11	161	59.3	34.0	37.1
STEMPLE PASS	6600	5/01/11	---	14.5E	5.6	9.3
STORM LAKE	7780	4/26/11	63	20.4	12.3	14.3
STRYKER BASIN	6180	4/26/11	131	47.7	25.1	32.6
STUART MOUNTAIN SNTL	7400	5/01/11	137	52.4	28.8	32.3
TAYLOR ROAD	4080	4/29/11	0	.0	1.9	.3
TEN MILE LOWER	6600	4/28/11	34	10.9	1.2	4.5
TEN MILE MIDDLE	6800	4/28/11	48	14.1	7.5	11.2
TEPEE CREEK SNOTEL	8000	5/01/11	52	17.8	7.8	13.6
TIMBERLINE CREEK	8850	4/25/11	53	17.2	9.8	17.3
TIZER BASIN SNOTEL	6840	5/01/11	55	14.5	6.2	9.5
TRAIL CREEK	7090	5/02/11	36	12.2	2.8	6.1
TRINKUS LAKE	6100	5/02/11	146	58.6	45.9	40.8
TRUMAN CREEK	4060	4/29/11	6	1.8	.0	.1
TV MOUNTAIN	6800	5/02/11	76	29.5	12.8	17.1
TWELVEMILE SNOTEL	5600	5/01/11	51	18.6	.9	8.8
TWENTY-ONE MILE	7150	4/30/11	53	20.4	5.4	13.4
TWIN CREEKS	3580	5/02/11	21	9.1	.7	1.7
TWIN LAKES SNOTEL	6400	5/01/11	127	52.6	22.8	38.5
UPPER HOLLAND LAKE	6200	5/02/11	126	53.3	25.2	33.5
WALDRON SNOTEL	5600	5/01/11	52	17.5	4.2	6.4
WARM SPRINGS SNOTEL	7800	5/01/11	107	33.3	21.6	23.7
WEASEL DIVIDE	5450	5/01/11	---	49.0E	23.2	32.7
WEST YELL'ST SNOTEL	6700	5/01/11	34	13.2	.7	6.1
WHISKEY CREEK SNOTEL	6800	5/01/11	68	24.7	9.1	15.2
WHITE MILL SNOTEL	8700	5/01/11	105	36.1	17.4	26.4
WHITE PINE RIDGE	8850	5/02/11	30	8.0	8.4	5.6
WILLOW CREEK	6500	4/27/11	29	8.6	.0	4.0
WOOD CREEK SNOTEL	5960	5/01/11	49	16.2	2.3	8.5
WRONG CREEK	5700	4/26/11	40	15.5	.0	7.7
WRONG RIDGE	6800	5/01/11	---	25.6E	10.3	17.0

Montana Water Supply Outlook Report as of May 1, 2011

La Nina came with a fury this winter and has even persisted into the early spring. In fact, across most major basins in the state, April 2011 yielded the most snow of any month this year. The water outlook into the summer shows excellent promise with reservoirs near average. Snowpacks in some basins have reached record levels. Streamflow forecasts range from 112 to 254 percent of average and take into account saturated mountain soils due to above average precipitation in the fall.

Snowpack

It is typically the case at this point in the year to see mountain snowpacks west of the continental divide three weeks into the snowmelt season. This is certainly not the case this year as all major basins in the Columbia River drainage, as well as the rest of the state, are still accumulating snow as of May 1. Keep in mind, normally many snowpacks have began melting at this point in time, causing average snowpack levels to fall.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR	APRIL % CHANGE
COLUMBIA	160	241	+42
KOOTENAI, MONTANA	169	244	+43
KOOTENAI, CANADA	133	194	+21
FLATHEAD, MONTANA	180	235	+50
FLATHEAD, CANADA	190	286	+59
UPPER CLARK FORK	154	226	+39
BITTERROOT	150	299	+43
LOWER CLARK FORK	167	253	+44
MISSOURI	153	213	+37
MISSOURI HEADWATERS	143	205	+30
JEFFERSON	137	192	+27
MADISON	145	224	+32
GALLATIN	143	195	+27
MISSOURI MAINSTEM	180	224	+55
HEADWATERS MAINSTEM	157	220	+43
SMITH-JUDITH-MUSSELSHELL	188	169	+66
SUN-TETON-MARIAS	166	349	+49
BEARPAW MOUNTAINS	334	208	+164
ST. MARY	142	218	+19
ST. MARY & MILK	145	218	+5
YELLOWSTONE	145	215	+30
UPPER YELLOWSTONE	151	240	+29
LOWER YELLOWSTONE	139	199	+32
STATE-WIDE	160	230	+40

Precipitation

April mountain and valley precipitation across the state was 160 percent of average and 127 percent of last year, while the water year precipitation was 123 percent of average and 148 percent of last year. West of the Continental Divide, April mountain and valley precipitation was 181 percent of average and 147 percent of last year and the water year precipitation was 127 percent of average and 164 percent of last year. East of the Divide, April mountain and valley precipitation was 148 percent of average and 115 percent of last year and the water year precipitation was 120 percent of average and 136 percent of last year.

RIVER BASIN	APRIL % OF AVERAGE	WATER YEAR % OF AVERAGE
COLUMBIA	181	127
KOOTENAI	215	129
FLATHEAD	198	134
UPPER CLARK FORK	158	122
BITTERROOT	150	118
LOWER CLARK FORK	180	128
MISSOURI	154	120
JEFFERSON	133	116
MADISON	145	118
GALLATIN	136	119
MISSOURI MAINSTEM	162	126
SMITH-JUDITH-MUSSELSHELL	198	130
SUN-TETON-MARIAS	192	118
MILK	100	138
ST. MARY	191	122
YELLOWSTONE	143	119
UPPER YELLOWSTONE	145	123
LOWER YELLOWSTONE	149	119
STATEWIDE	160	123

Reservoirs

State-wide reservoir storage was 106 percent of average and 102 percent of last year. Reservoir storage west of the divide was 101 percent of average and 69 percent of last year. East of the Divide, reservoir storage was 108 percent of average and 117 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	101	69
KOOTENAI	108	58
FLATHEAD	96	75
UPPER CLARK FORK	114	93
BITTERROOT	94	118
LOWER CLARK FORK	114	103
MISSOURI	108	119
JEFFERSON	98	88
MADISON	100	82
GALLATIN	106	74
MISSOURI MAINSTEM	108	121
SMITH-JUDITH-MUSSELSHELL	119	121
SUN-TETON-MARIAS	108	107
MILK	118	108
ST. MARY	119	222
YELLOWSTONE	106	88
UPPER YELLOWSTONE	120	106
LOWER YELLOWSTONE	106	87
STATEWIDE	106	102

Streamflow

State-wide, streamflows are forecast to be 149 percent of average. West of the Divide streamflows are forecast to be 154 percent of average and east of the Divide are forecast to be 146 percent of average.

Following are streamflow forecasts for the period May 1 through July 31. THESE FORECASTS ASSUME NEAR NORMAL SPRING CONDITIONS AND DO NOT ACCOUNT FOR WELL BELOW AVERAGE (70% or less) OR WELL ABOVE AVERAGE (130% or more) SNOWMELT OR SPRING RAIN. Specific forecast probabilities are available in each individual River Basin Report.

RIVER BASIN	MAY-JULY THIS YEAR % OF AVERAGE	MAY-JULY LAST YEAR % OF AVERAGE
COLUMBIA	155	62
KOOTENAI	145	60
FLATHEAD	173	78
UPPER CLARK FORK	145	55
BITTERROOT	134	51
LOWER CLARK FORK	153	49
MISSOURI	149	66
JEFFERSON	133	54
MADISON	130	66
GALLATIN	129	77
MISSOURI MAINSTEM	136	60
SMITH-JUDITH-MUSSELSHELL	178	87
SUN-TETON-MARIAS	154	57
MILK	192	85
ST. MARY	143	81
YELLOWSTONE	140	65
UPPER YELLOWSTONE	142	68
LOWER YELLOWSTONE	138	61
STATEWIDE	149	65

NOTE: The MAY-JULY LAST YEAR % OF AVERAGE column above is what was forecast last year on May 1 and NOT what actually occurred.

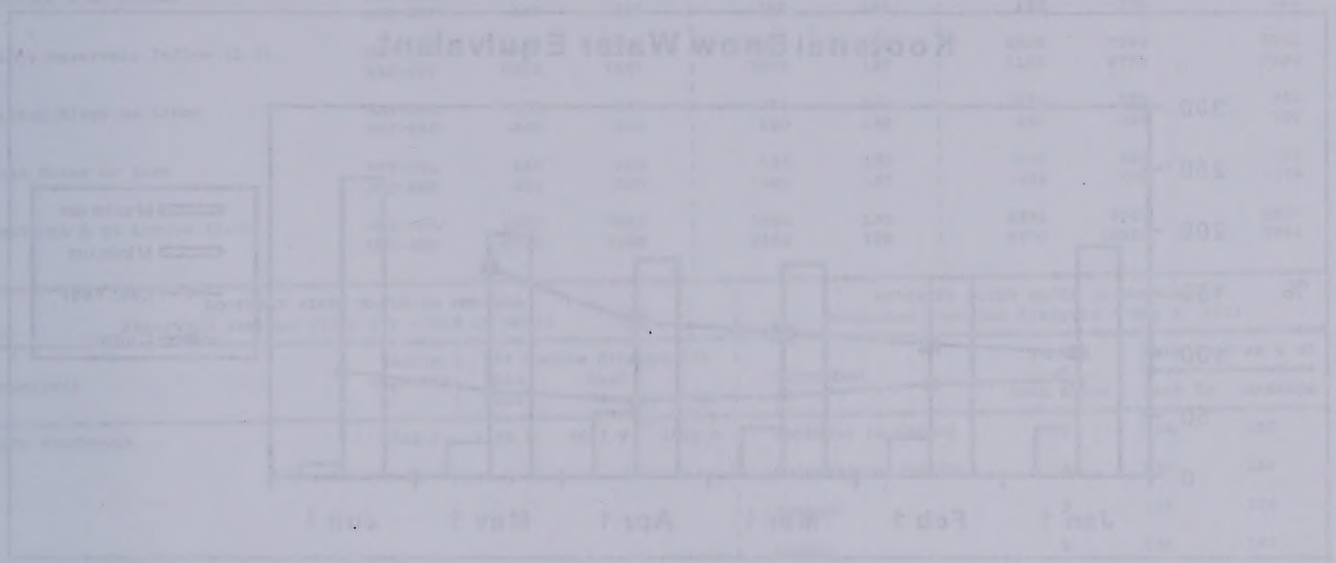
Surface Water Supply Index

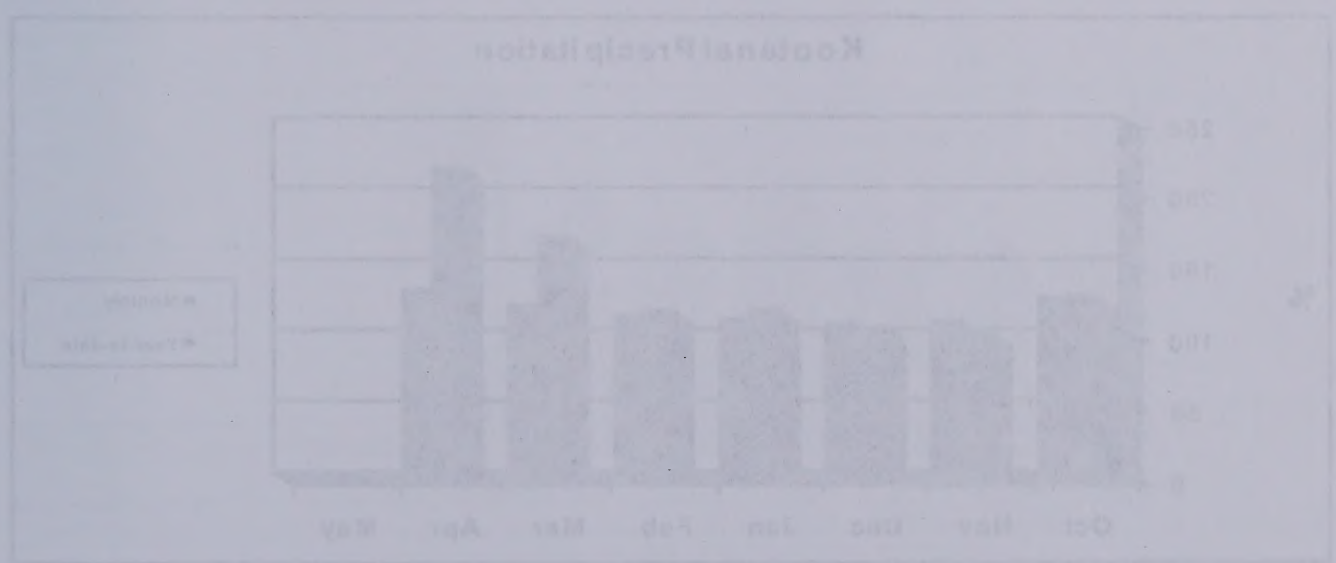
The Surface Water Supply Index (SWSI) is a measure of available surface water availability for the spring and summer months. Water users that rely on mountain precipitation can use the index to evaluate seasonal surface water supplies. The SWSI accounts for mountain snowpack, mountain precipitation, streamflow, reservoir storage, and soil moisture.

SWSI RATING	SURFACE WATER CONDITION
+3.0 to +4.0	Extremely Wet
+2.0 to +3.0	Moderately Wet
+1.0 to +2.0	Slightly Wet
-1.0 to +1.0	Near Average
-1.0 to -2.0	Slightly Dry
-2.0 to -3.0	Moderately Dry
-3.0 to -4.0	Extremely Dry

This Year SWSI	Last Year SWSI	Basin
+2.3	-3.3	Tobacco River
+3.4	-3.6	Kootenai Ft. Steele to Libby Dam
+2.7	-1.2	Kootenai River below Libby Dam
+1.5	-2.9	Fisher River
+1.6	-3.5	Yaak River
+3.3	-3.3	North Fork Flathead River
+3.8	-3.2	Middle Fork Flathead River
+3.9	+1.6	South Fork Flathead River
+3.9	-2.5	Flathead River at Columbia Falls
+3.8	-0.6	Swan River
+3.5	-2.8	Flathead River at Polson
+3.7	----	Mission Valley
+3.8	----	Little Bitterroot River
+1.6	-2.4	Clark Fork River above Milltown
+2.5	-3.1	Blackfoot River
+2.2	-3.3	Bitterroot River
+2.4	-3.1	Clark Fork River below Bitterroot River
+3.1	-2.9	Clark Fork River below Flathead River
+0.4	+0.2	Beaverhead River
+1.3	-0.7	Ruby River
+1.6	-2.0	Big Hole River
+1.8	-1.6	Boulder River (Jefferson)
+1.9	-0.5	Jefferson River
+2.7	-1.7	Madison River
+2.2	-1.2	Gallatin River
+1.8	-1.2	Missouri River above Canyon Ferry
+0.3	-1.4	Missouri River below Canyon Ferry
----	+0.5	Smith River
+2.6	-3.4	Sun River
+1.9	-0.2	Teton River
+2.5	-2.5	Birch/Dupuyer Creeks
----	+3.0	Upper Judith River
+2.5	-2.6	Marias River above Tiber
+2.8	-2.4	Marias River below Tiber
+2.9	+1.0	Musselshell River
+0.8	-0.5	Missouri River above Ft. Peck
+3.2	-1.5	Missouri River below Ft. Peck
+3.1	-2.4	St. Mary River
+2.5	+0.3	Milk River
+2.4	-2.4	Dearborn River near Craig
+3.4	-3.3	Yellowstone River above Livingston
+3.0	-0.1	Shields River
+3.4	-2.2	Boulder River (Yellowstone)
+3.1	-2.9	Stillwater River
+1.8	-2.0	Rock/Red Lodge Creeks
+3.3	-3.1	Clarks Fork River

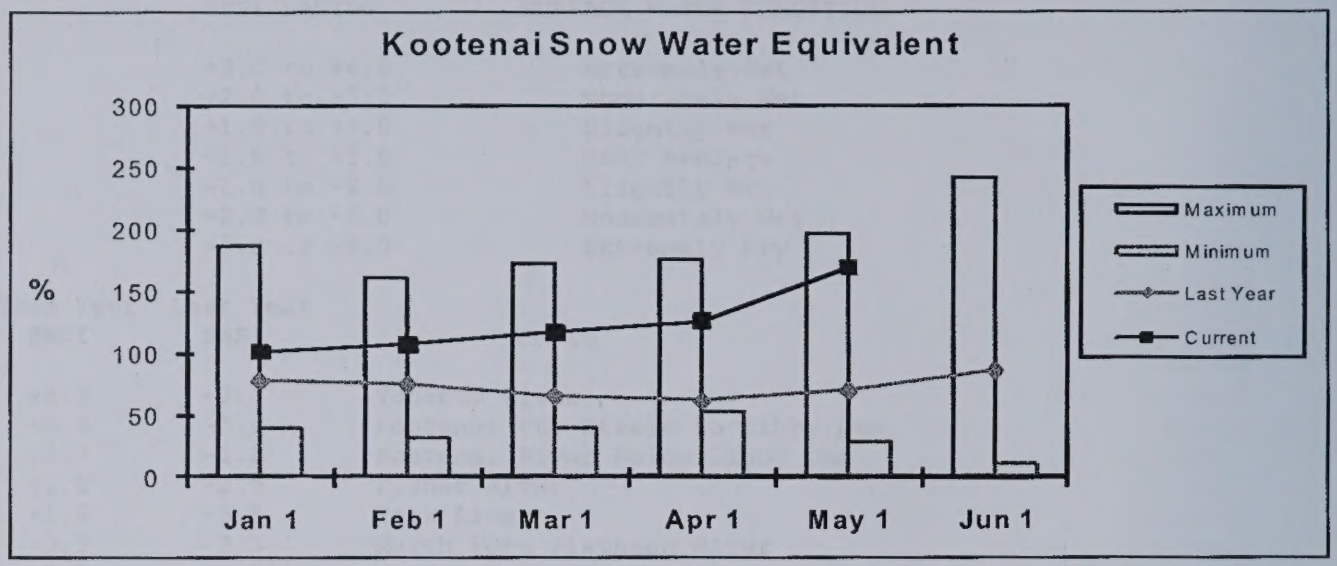
+3.3	-3.1	Yellowstone River above Bighorn River
+3.3	-0.1	Bighorn River below Bighorn Lake
+1.8	-2.3	Little Bighorn River
+3.3	-1.7	Yellowstone River below Bighorn River
+2.6	-1.6	Tongue River
+2.2	-1.1	Powder River





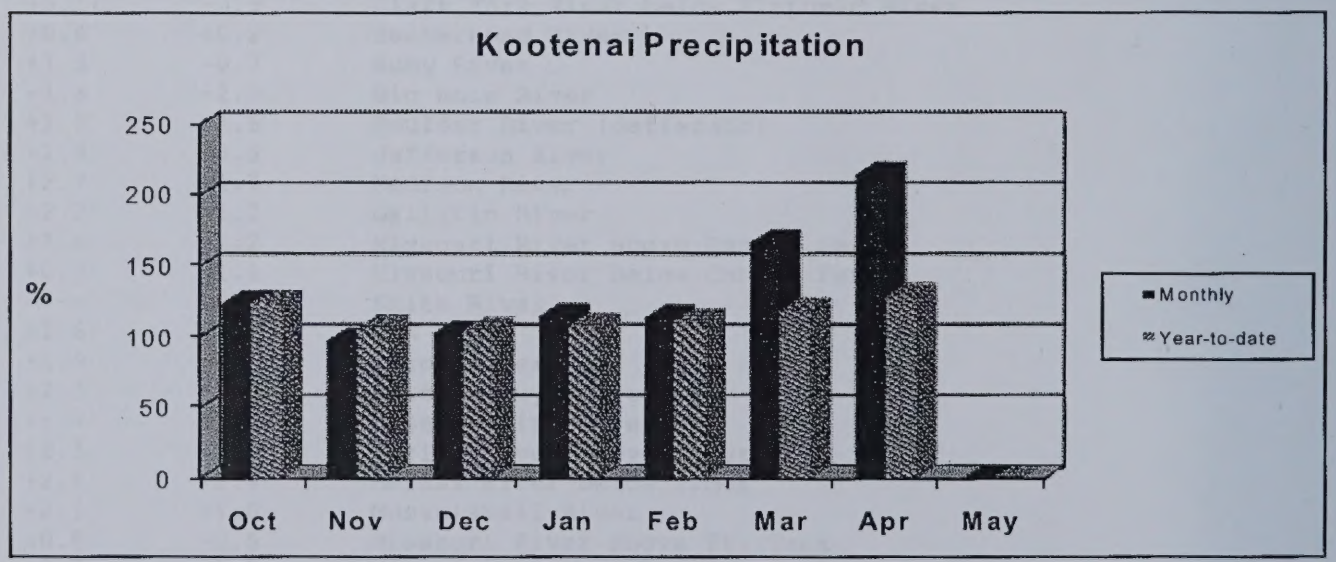
Kootenai River Basin in Montana

Snowpack conditions in the Kootenai River Basin were well above average and increased 43 percent from April 1. Snow water content was 169 percent of average and 244 percent of last year. Snowpack in the Kootenai in Canada was above average. Snow water content was 133 percent of average and 194 percent of last year.



January maximum swe was established in 1997 and minimum was in 1977; February maximum swe was in 1997 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1974 and minimum swe was in 1977and 2005; May maximum swe was in 1974 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during April was 220 percent of average and 180 percent of last year. Valley precipitation during April was 171 percent of average and 207 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 129 percent of average and 189 percent of last year.



Lake Koocanusa storage was 108 percent of average and 58 percent of last year.

Assuming average precipitation, May through July, streamflows are forecast to average 145 percent.

KOOTENAI RIVER BASIN in Montana
Streamflow Forecasts - May 1, 2011

Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Tobacco R nr Eureka	MAY-JUL	133	149	160	146	171	187	110
	MAY-SEP	149	167	180	145	193	210	124
Libby Reservoir Inflow (1,2)	MAY-JUL	5760	6360	6630	130	6900	7500	5120
	MAY-SEP	6910	7540	7830	128	8120	8750	6120
Fisher River nr Libby	MAY-JUL	215	240	255	165	270	295	155
	MAY-SEP	240	265	280	165	295	320	170
Yaak River nr Troy	MAY-JUL	450	500	535	153	570	620	350
	MAY-SEP	475	530	565	153	600	655	370
Kootenai R at Leonia (1,2)	MAY-JUL	6620	7540	7960	129	8380	9300	6170
	MAY-SEP	8020	8890	9280	128	9670	10500	7250

KOOTENAI RIVER BASIN in Montana
Reservoir Storage (1000 AF) - End of April

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE KOOCANUSA	5748.0	2108.0	3607.0	1948.9

KOOTENAI RIVER BASIN in Montana
Watershed Snowpack Analysis - May 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
KOOTENAY in CANADA	15	194	133
KOOTENAI MAINTSTEM	4	230	154
TOBACCO	3	213	174
FISHER	5	291	181
YAAK	4	260	174
KOOTENAI in MONTANA	15	244	169
KOOTENAI ab BONNERS FERRY	30	222	152

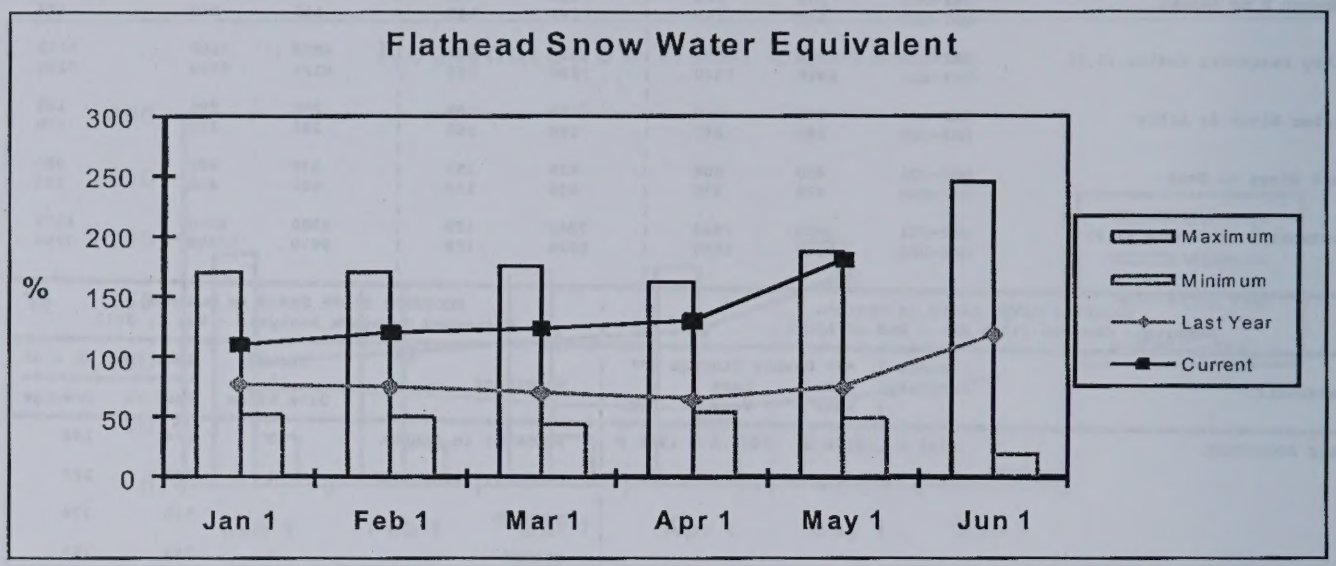
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

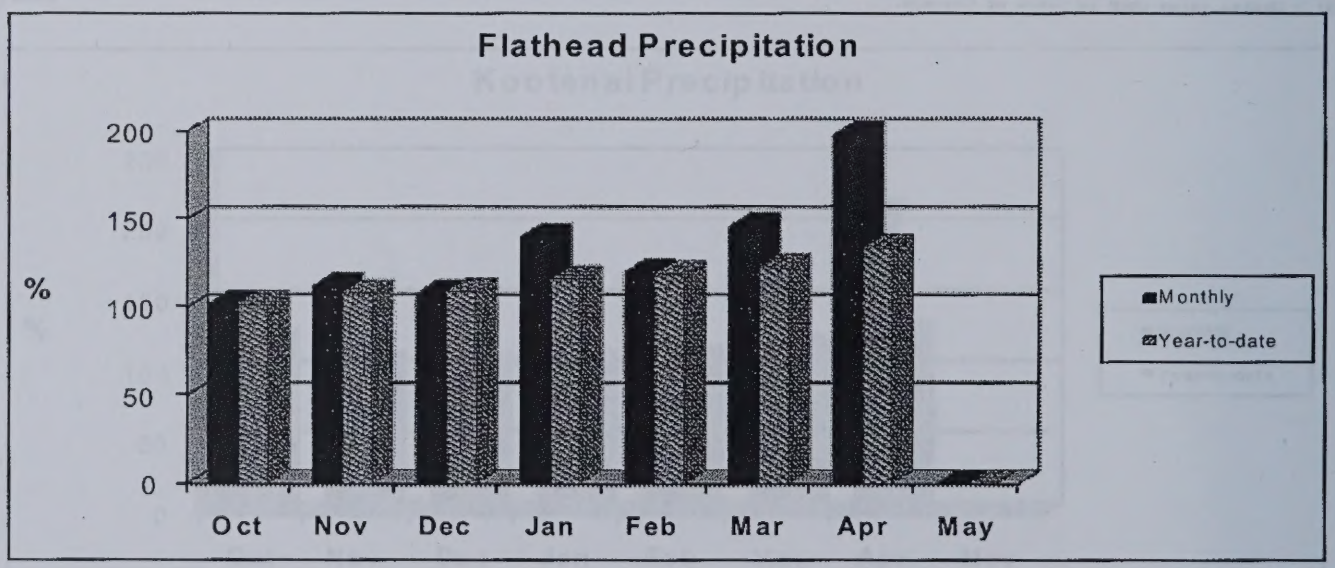
Flathead River Basin

Snowpack conditions in the Flathead River Basin were well above average and increased 50 percent from April 1. Snow water content was 180 percent of average and 235 percent of last year. Snowpack in the Flathead of Canada is well above average. Snow water content was 190 percent of average and 286 percent of last year.



January maximum swe was established in 1997 and minimum was in 2001; February maximum swe was in 1997 and minimum was in 2001; March maximum swe was in 1972 and minimum was in 2005; April maximum swe was in 1972 and minimum was in 2005; May maximum swe was in 1972 and minimum was in 1992; and June maximum swe was in 1974 and minimum was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during April was 201 percent of average and 140 percent of last year. Valley precipitation during April was 163 percent of average and 89 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 134 percent of average and 155 percent of last year.



The combined Camas storage was 87 percent of average; and combined Mission Valley storage was 72 percent of average; and Hungry Horse storage was 91 percent of average and 65 percent of last year; and Flathead Lake storage was 106 percent of average and 95 percent of last year.

Assuming average precipitation, May through July, streamflows are forecast to average 173 percent.

FLATHEAD RIVER BASIN
Streamflow Forecasts - May 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
NF Flathead R nr Columbia Falls	MAY-JUL	1890	2000	2080	147	2160	2270	1420
	MAY-SEP	2100	2230	2320	145	2410	2540	1600
MF Flathead R nr West Glacier	MAY-JUL	1920	2050	2140	154	2230	2360	1390
	MAY-SEP	2120	2260	2360	153	2460	2600	1540
SF Flathead R nr Hungry Horse	MAY-JUL	1670	1760	1820	166	1880	1970	1100
	MAY-SEP	1820	1920	1980	165	2040	2140	1200
Hungry Horse Reservoir Inflow (1,2)	MAY-JUL	2530	2740	2830	166	2920	3130	1710
	MAY-SEP	2690	2920	3020	164	3120	3350	1840
Flathead R at Columbia Falls (2)	MAY-JUL	6650	6990	7230	156	7470	7810	4630
	MAY-SEP	7260	7650	7910	155	8170	8560	5110
Ashley Ck nr Marion (2)	MAY	4.6	5.2	5.6	200	6.0	6.6	2.8
Swan R nr Bigfork	MAY-JUL	705	745	775	165	805	845	470
	MAY-SEP	830	880	910	166	940	990	550
Flathead Lake Inflow (1,2)	MAY-JUL	7360	7990	8270	156	8550	9180	5320
	MAY-SEP	8000	8710	9040	155	9370	10100	5840
Mill Ck ab Bassoo Ck nr Niarada	MAY-JUL	5.8	6.6	7.1	254	7.6	8.4	2.8
	MAY-SEP	6.6	7.4	7.9	255	8.4	9.2	3.1
South Crow Ck nr Ronan	MAY-JUL	12.7	13.9	14.7	160	15.5	16.7	9.2
	MAY-SEP	14.8	16.1	17.0	160	17.9	19.2	10.6
Mission Ck nr St. Ignatius	MAY-JUL	31	33	34	142	35	37	24
	MAY-SEP	36	38	40	143	42	44	28
Sf Jocko R nr Arlee	MAY-JUL	53	56	58	200	60	63	29
	MAY-SEP	60	64	66	200	68	72	33
NF Jocko R bl Tabor Feeder Canal	MAY-JUL	47	49	50	185	51	53	27
	MAY-SEP	50	53	54	186	55	58	29

FLATHEAD RIVER BASIN
Reservoir Storage (1000 AF) - End of April

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CAMAS (4)	45.2	26.0	---	29.9
LOWER JOCKO LAKE	6.4	0.0	---	0.7
MISSION VALLEY (8)	100.0	33.8	---	47.1
HUNGRY HORSE	3451.0	1786.0	2746.0	1954.8
FLATHEAD LAKE	1791.0	988.2	1039.0	931.9

FLATHEAD RIVER BASIN
Watershed Snowpack Analysis - May 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
NF FLATHEAD in CANADA	4	286	190
NF FLATHEAD in MONTANA	8	225	168
MIDDLE FORK FLATHEAD	5	243	151
SOUTH FORK FLATHEAD	7	213	180
STILLWATER-WHITEFISH	10	299	203
SWAN	7	179	165
MISSION VALLEY	4	193	202
LITTLE BITTERROOT-ASHLEY	6	983	306
JOCKO	5	200	164
FLATHEAD in MONTANA	38	235	180
FLATHEAD RIVER BASIN	42	237	181

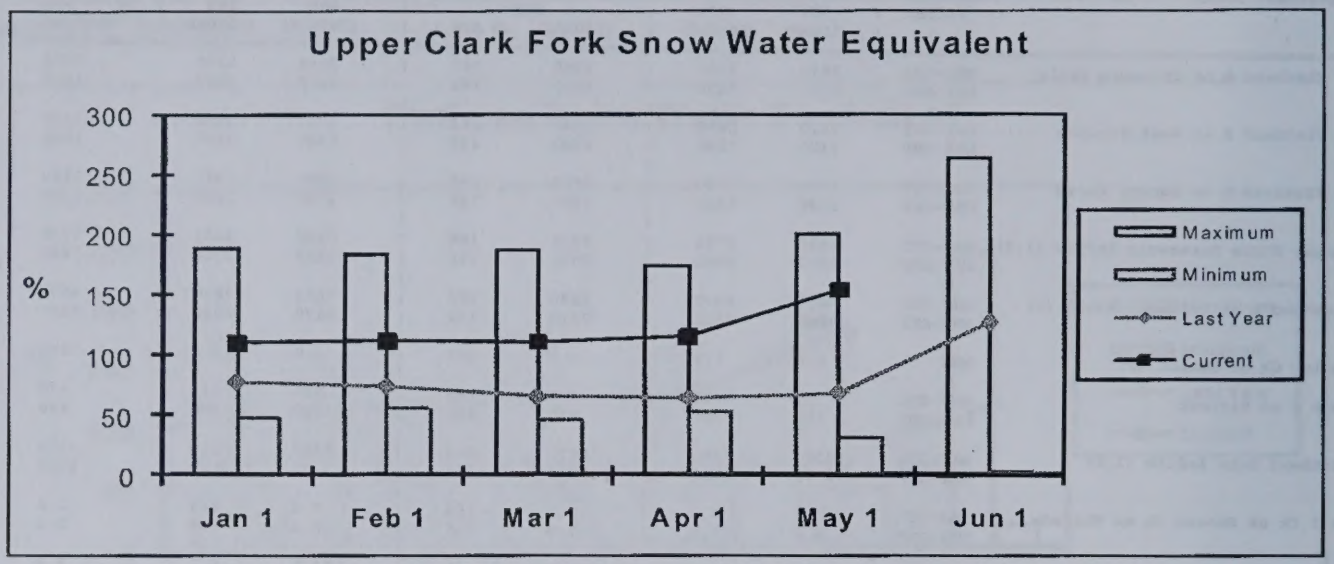
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

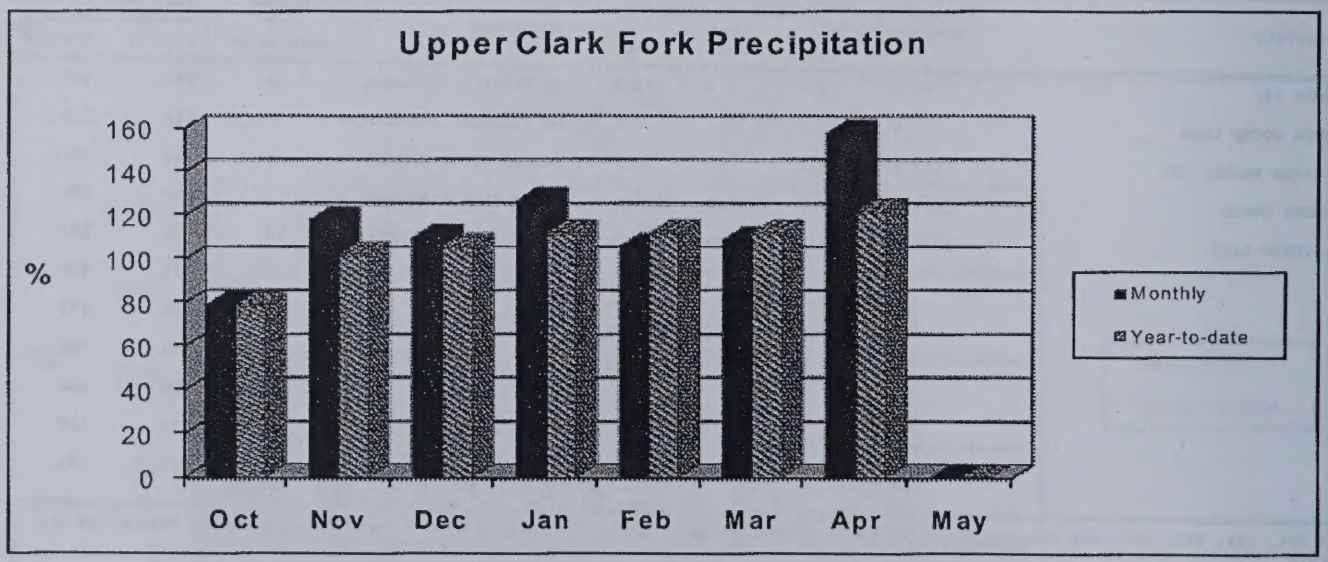
Upper Clark Fork River Basin

Snowpack conditions in the Upper Clark Fork River Basin were well above average and decreased 39 percent from April 1. Snow water content was 154 percent of average and 226 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1972 and minimum was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during April was 162 percent of average and 144 percent of last year. Valley precipitation during April was 133 percent of average and 133 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 122 percent of average and 158 percent of last year.



East Fork Rock Creek storage was 130 percent of average and 95 percent of last year; and Nevada Creek storage was 98 percent of average and 92 percent of last year.

Assuming average precipitation, May through July, streamflows are forecast to average 145 percent.

UPPER CLARK FORK RIVER BASIN
Streamflow Forecasts - May 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Little Blackfoot R nr Garrison	MAY-JUL	63	78	88	140	98	113	63
	MAY-SEP	70	87	98	140	109	126	70
Flint Ck nr Southern Cross	MAY-JUL	11.0	14.2	16.4	140	18.6	22	11.7
	MAY-SEP	13.2	17.2	19.9	140	23	27	14.2
Flint Ck bl Boulder Ck	MAY-JUL	43	55	63	131	71	83	48
	MAY-SEP	59	73	83	132	93	107	63
Lower Willow Ck Reservoir Inflow (2)	MAY	6.2	7.9	9.1	154	10.3	12.0	5.9
	MAY-JUL	11.5	14.1	15.8	155	17.5	20	10.2
MF Rock Ck nr Philipsburg	MAY-JUL	61	72	79	134	86	97	59
	MAY-SEP	70	82	90	134	98	110	67
Rock Ck nr Clinton	MAY-JUL	240	290	325	135	360	410	240
	MAY-SEP	280	335	370	135	405	460	275
Clark Fork R ab Milltown	MAY-JUL	460	595	690	135	785	920	510
	MAY-SEP	570	720	820	134	920	1070	610
Nevada Ck nr Helmville	MAY	8.2	10.5	12.0	174	13.5	15.8	6.9
	MAY-JUL	16.8	21	24	173	27	31	13.9
Blackfoot R nr Bonner	MAY-JUL	910	995	1050	156	1110	1190	675
	MAY-SEP	1030	1120	1180	154	1240	1330	765
Clark Fork R ab Missoula	MAY-JUL	1400	1610	1750	147	1890	2100	1190
	MAY-SEP	1620	1850	2000	146	2150	2380	1370

UPPER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of April

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
EAST FORK ROCK CREEK	15.6	12.7	13.4	9.8
GEORGETOWN LAKE		NO REPORT		
LOWER WILLOW CREEK		NO REPORT		
NEVADA CREEK	12.6	9.8	10.7	10.0

UPPER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - May 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
CLARK FORK ab FLINT CREEK	13	224	153
FLINT CREEK	6	217	155
ROCK CREEK	5	211	138
CLARK FORK ab BLACKFOOT	21	232	151
BLACKFOOT	14	242	167
UPPER CLARK FORK BASIN	33	226	154

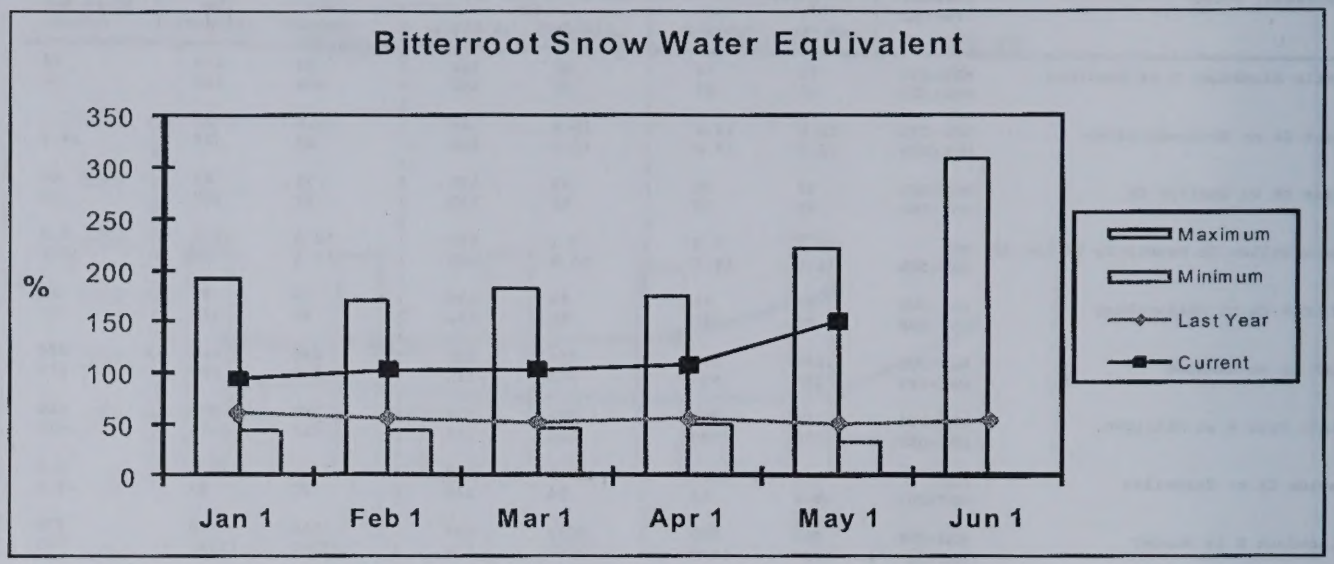
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

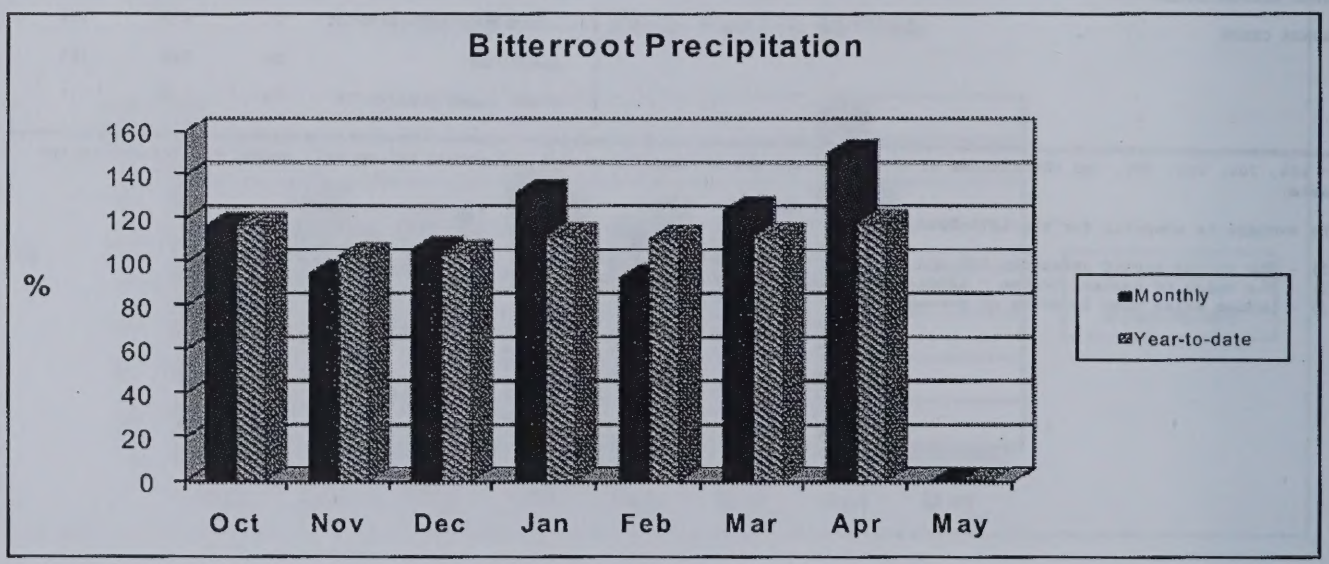
Bitterroot River Basin

Snowpack conditions in the Bitterroot River Basin were well above average and increased 43 percent from April 1. Snow water content was 150 percent of average and 299 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum was in 1977; March maximum swe was in 1972 and minimum swe was in 1977 and 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1987; and June maximum swe was 1972 and 1974 and 1974 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain precipitation during April was 162 percent of average and 152 percent of last year. Valley precipitation during April was 60 percent of average and 77 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 118 percent of average and 180 percent of last year.



Painted Rocks Lake storage was 116 percent of average and 178 percent of last year and Como storage was 77 percent of average and 83 percent of last year.

Assuming near average precipitation, May through July, streamflows are forecast to average 134 percent.

BITTERROOT RIVER BASIN
Streamflow Forecasts - May 1, 2011

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
WF Bitterroot R nr Conner (2)	MAY-JUL	137	158	172	138	186	205	125
	MAY-SEP	148	173	190	138	205	230	138
Bitterroot R nr Darby	MAY-JUL	450	510	550	136	590	650	405
	MAY-SEP	515	575	620	135	665	725	460
Como Reservoir Inflow (2)	MAY-JUL	71	78	83	126	88	95	66
	MAY-SEP	75	83	88	126	93	101	70
Bitterroot R nr Missoula	MAY-JUL	1270	1400	1490	136	1580	1710	1100
	MAY-SEP	1400	1540	1640	136	1740	1880	1210

BITTERROOT RIVER BASIN
Reservoir Storage (1000 AF) - End of April

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
PAINTED ROCKS LAKE	31.7	19.8	11.1	17.1
COMO	34.9	16.0	19.2	20.9

BITTERROOT RIVER BASIN
Watershed Snowpack Analysis - May 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WEST FORK BITTERROOT	3	280	147
EAST SIDE BITTERROOT	5	282	144
WEST SIDE BITTERROOT	3	315	151
BITTERROOT RIVER BASIN	10	299	150

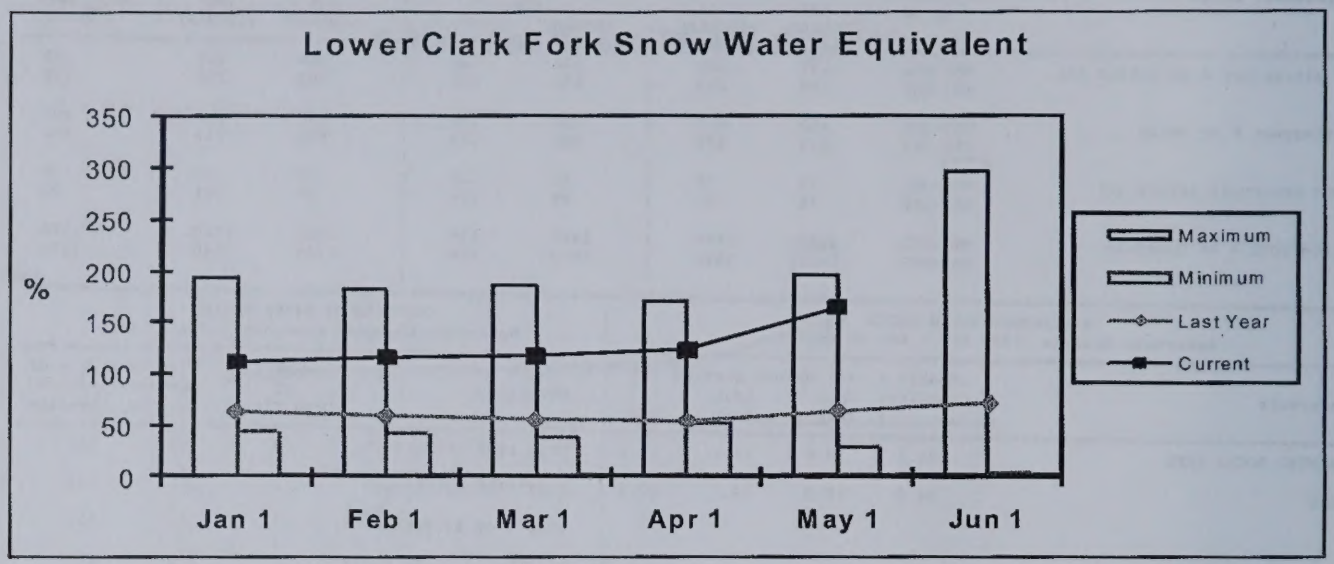
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

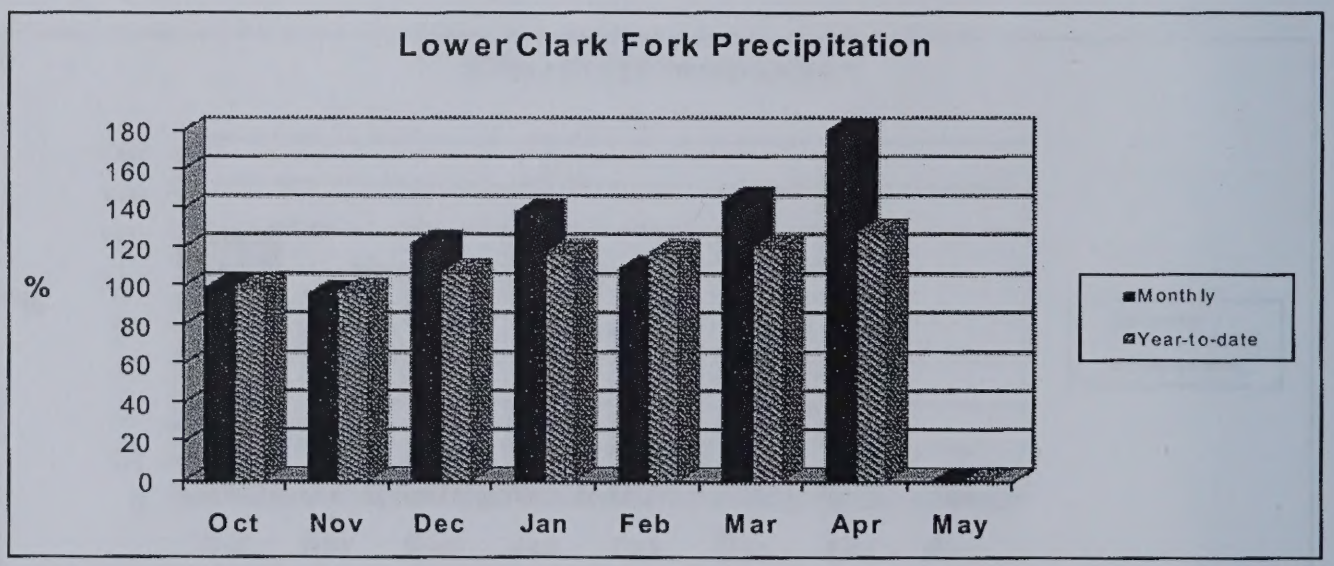
Lower Clark Fork River Basin

Snowpack conditions in the Lower Clark Fork River Basin were well above average and increased 44 percent from April 1. Snow water content was 167 percent of average and 253 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum was in 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1977. Average is for the period 1971 through 2000.

Mountain precipitation during April was 191 percent of average and 146 percent of last year. Valley precipitation during April was 141 percent of average and 107 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 128 percent of average and 180 percent of last year.



Noxon Rapids storage was 114 percent of average and 103 percent of last year.

Assuming average precipitation, May through July, streamflows are forecast to average 153 percent.

LOWER CLARK FORK RIVER BASIN
Streamflow Forecasts - May 1, 2011

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ====== Wetter ======>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Clark Fork R bl Missoula	MAY-JUL	2660	2980	3200	140	3420	3740	2290
	MAY-SEP	3000	3350	3590	139	3830	4180	2580
Clark Fork R at St. Regis (1)	MAY-JUL	3340	3920	4190	141	4460	5040	2980
	MAY-SEP	3760	4400	4690	139	4980	5620	3370
Clark Fork R nr Plains (1,2)	MAY-JUL	11200	12400	12900	150	13400	14600	8630
	MAY-SEP	12400	13700	14300	149	14900	16200	9610
Thompson R nr Thompson Falls	MAY-JUL	225	250	270	170	290	315	159
	MAY-SEP	265	295	315	170	335	365	185
Prospect Ck at Thompson Falls	MAY-JUL	125	137	145	167	153	165	87
	MAY-SEP	140	152	160	167	168	180	96
Clark Fork at Whitehorse Rpds (1,2)	MAY-JUL	12500	13700	14300	149	14900	16100	9590
	MAY-SEP	13800	15200	15900	149	16600	18000	10700

LOWER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of April

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
NOXON RAPIDS	335.0	309.3	299.3	272.3

LOWER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - May 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
LOWER CLARK FORK BASIN	12	253	167

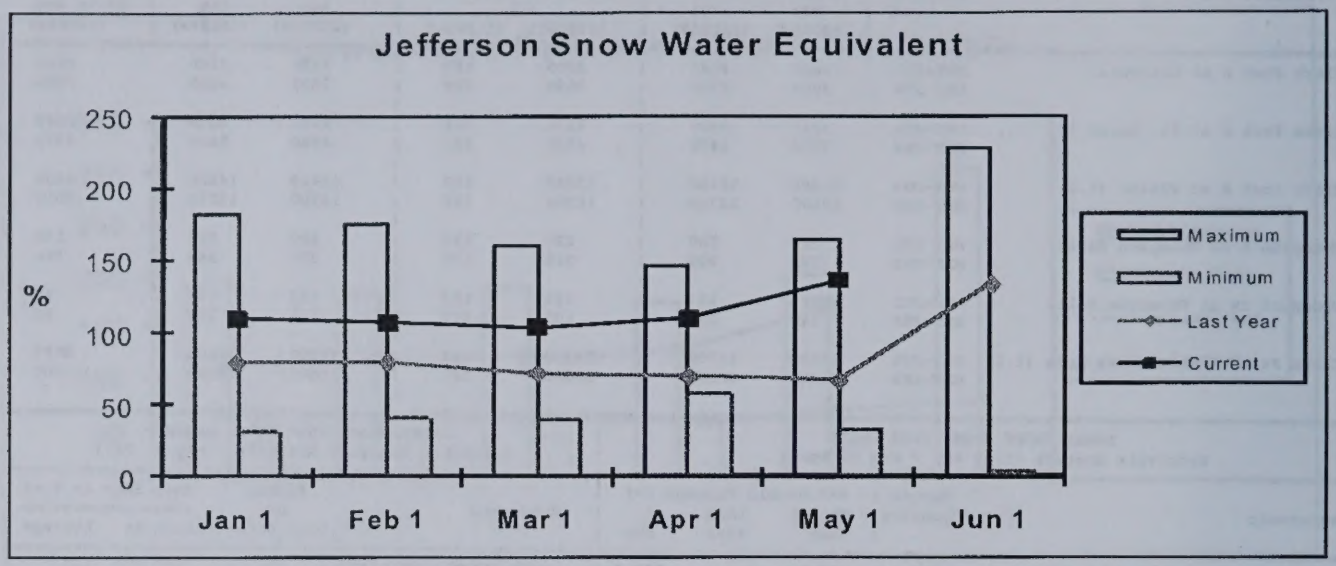
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

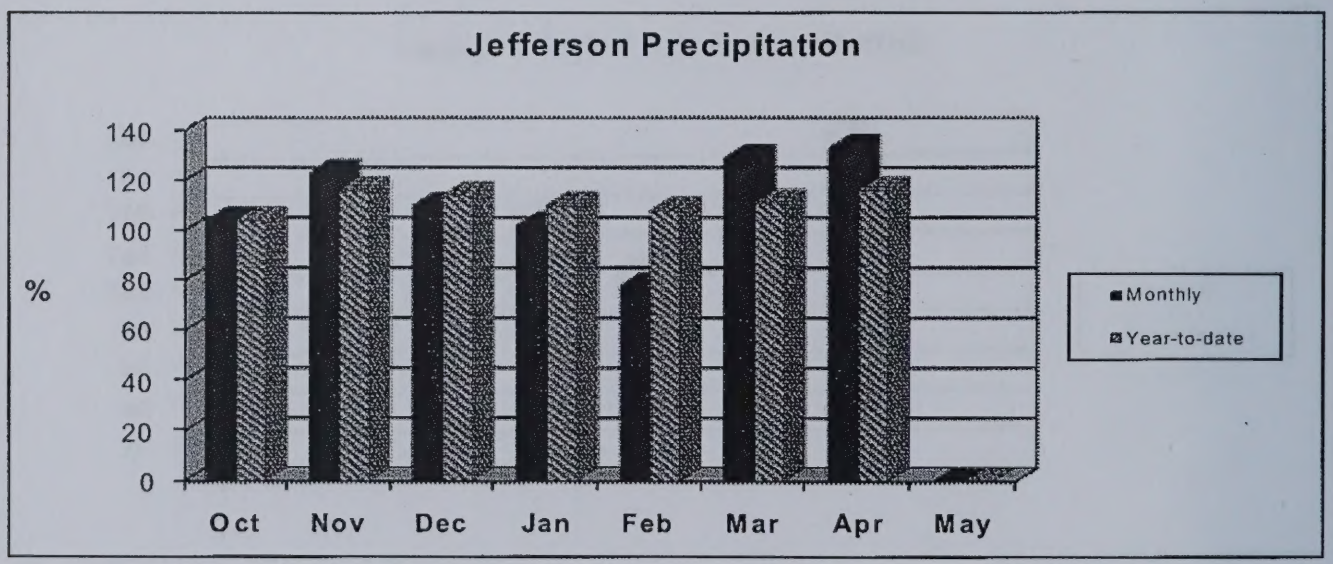
Jefferson River Basin

Snowpack conditions in the Jefferson River Basin were well above average and increased 27 percent from April 1. Snow water content was 137 percent of average and 192 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1982 and minimum in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during April was 136 percent of average and 128 percent of last year. Valley precipitation during April was 66 percent of average and 65 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 116 percent of average and 146 percent of last year.



Lima storage was 82 percent of average and 68 percent of last year; Clark Canyon storage was 102 percent of average and 93 percent of last year; and Ruby River storage was 104 percent of average and 100 percent of last year.

Assuming average precipitation, May through July streamflows are forecast to average 133 percent.

JEFFERSON RIVER BASIN
Streamflow Forecasts - May 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Lima Reservoir Inflow (2)	MAY-JUL	65	76	84	120	92	103	70
	MAY-SEP	72	85	94	121	103	116	78
Clark Canyon Reservoir Inflow (2)	MAY-JUL	59	94	118	131	142	177	90
	MAY-SEP	80	117	143	123	169	205	116
Beaverhead R at Barretts (2)	MAY-JUL	58	113	151	126	189	245	120
	MAY-SEP	70	137	182	119	225	295	153
Ruby R Reservoir Inflow (2)	MAY-JUL	69	83	92	124	101	115	74
	MAY-SEP	83	99	110	121	121	137	91
Big Hole R at Wisdom	MAY-JUL	99	126	144	152	162	189	95
	MAY-SEP	109	138	158	152	178	205	104
Big Hole R nr Melrose	MAY-JUL	635	695	735	141	775	835	520
	MAY-SEP	680	750	795	138	840	910	575
Jefferson R nr Twin Bridges (2)	MAY-JUL	640	800	910	143	1020	1180	635
	MAY-SEP	675	865	995	140	1120	1310	710
Boulder R nr Boulder	MAY-JUL	68	79	86	127	93	104	68
	MAY-SEP	72	85	93	124	101	114	75
Willow Ck Reservoir Inflow (2)	MAY-JUL	9.1	13.8	17.0	112	20	25	15.2
	MAY-SEP	11.5	16.6	20	114	23	28	17.5
Jefferson R nr Three Forks (2)	MAY-JUL	610	780	900	150	1020	1190	600
	MAY-SEP	680	875	1010	149	1140	1340	680

JEFFERSON RIVER BASIN
Reservoir Storage (1000 AF) - End of April

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LIMA	84.0	47.0	69.3	57.5
CLARK CANYON	255.6	163.7	176.6	160.6
RUBY RIVER	38.8	37.7	37.7	36.3

JEFFERSON RIVER BASIN
Watershed Snowpack Analysis - May 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
BEAVERHEAD	17	209	139
RUBY	11	162	123
BIGHOLE	19	194	136
BOULDER	8	247	155
JEFFERSON RIVER BASIN	45	192	137

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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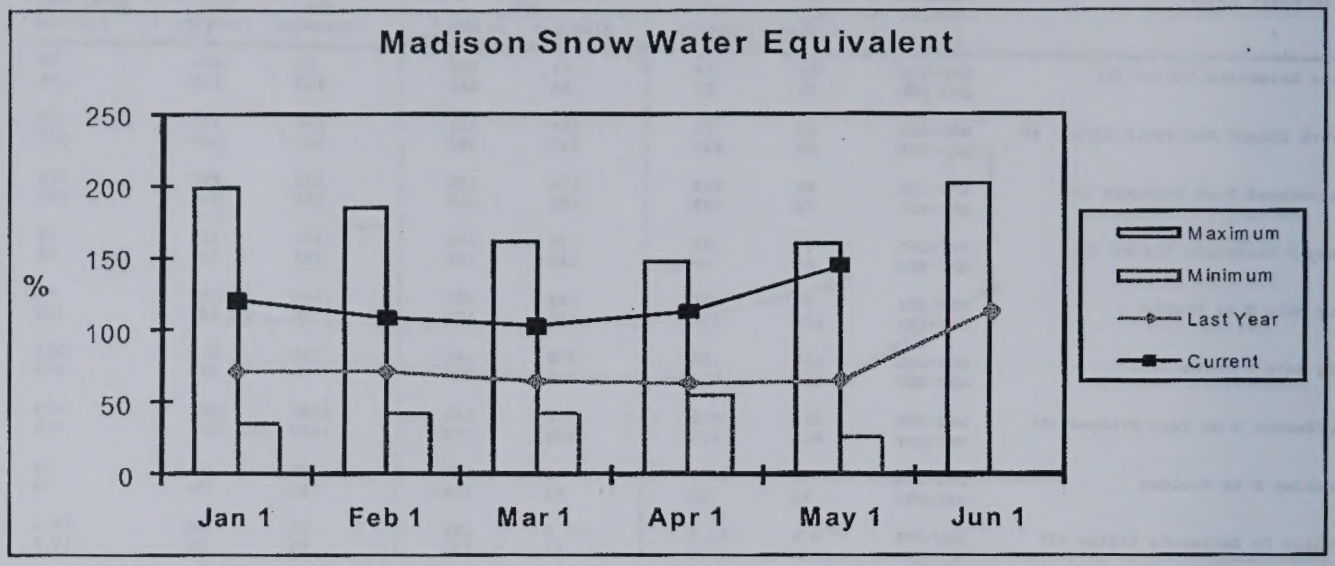
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

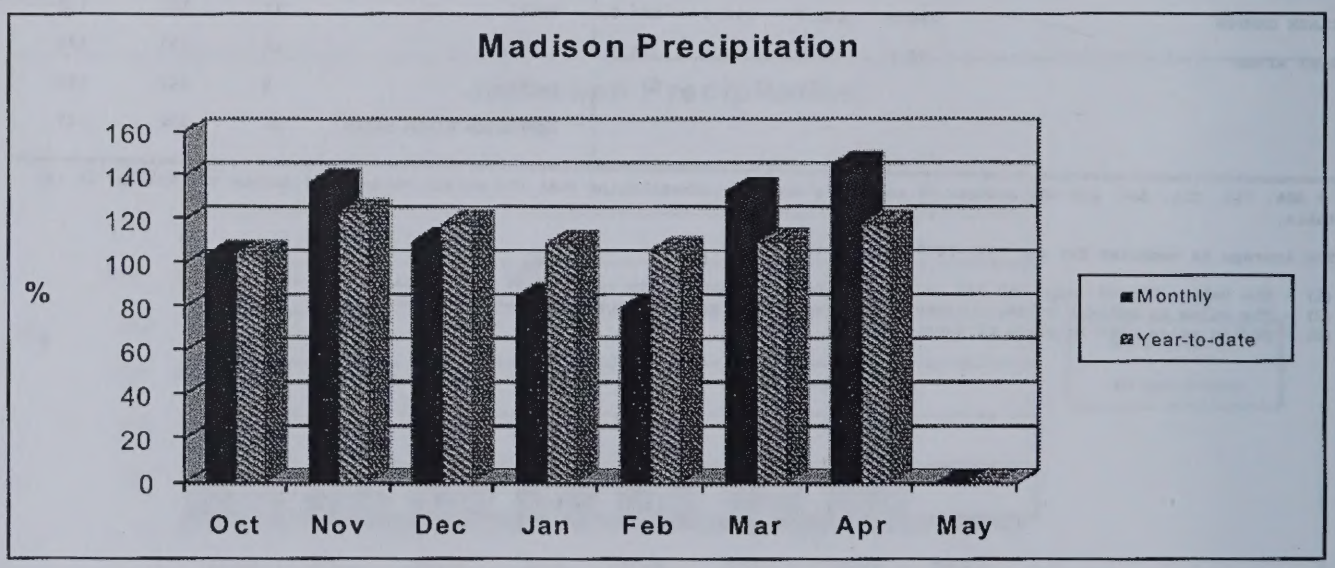
Madison River Basin

Snowpack conditions in the Madison River Basin were well above average and increased 32 percent from April 1. Snow water content was 145 percent of average and 224 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1997 and minimum swe was in 1977; and June maximum swe was in 1995 and minimum in 1987 and 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during April was 145 percent of average and 114 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 118 percent of average and 151 percent of last year.



Ennis Lake storage was 86 percent of average and 83 percent of last year and Hebgen Lake storage was 102 percent of average and 81 percent of last year.

Assuming average precipitation, May through July, streamflows are forecast to average 130 percent.

MADISON RIVER BASIN
Streamflow Forecasts - May 1, 2011

Forecast Point	Forecast Period	<<== Drier == Future Conditions == Wetter ==>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Hebgen Reservoir Inflow (2)	MAY-JUL	390	420	440	131	460	490	335
	MAY-SEP	505	540	565	127	590	625	445
Ennis Reservoir Inflow (2)	MAY-JUL	640	705	750	129	795	860	580
	MAY-SEP	805	880	935	125	990	1070	750

MADISON RIVER BASIN
Reservoir Storage (1000 AF) - End of April

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
ENNIS LAKE	41.0	29.2	35.1	33.8
HEBGEN LAKE	377.5	259.8	319.2	254.6

MADISON RIVER BASIN
Watershed Snowpack Analysis - May 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
MADISON abv HEBGEN LAKE	6	277	164
MADISON blw HEBGEN LAKE	12	198	134
MADISON RIVER BASIN	18	224	145

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

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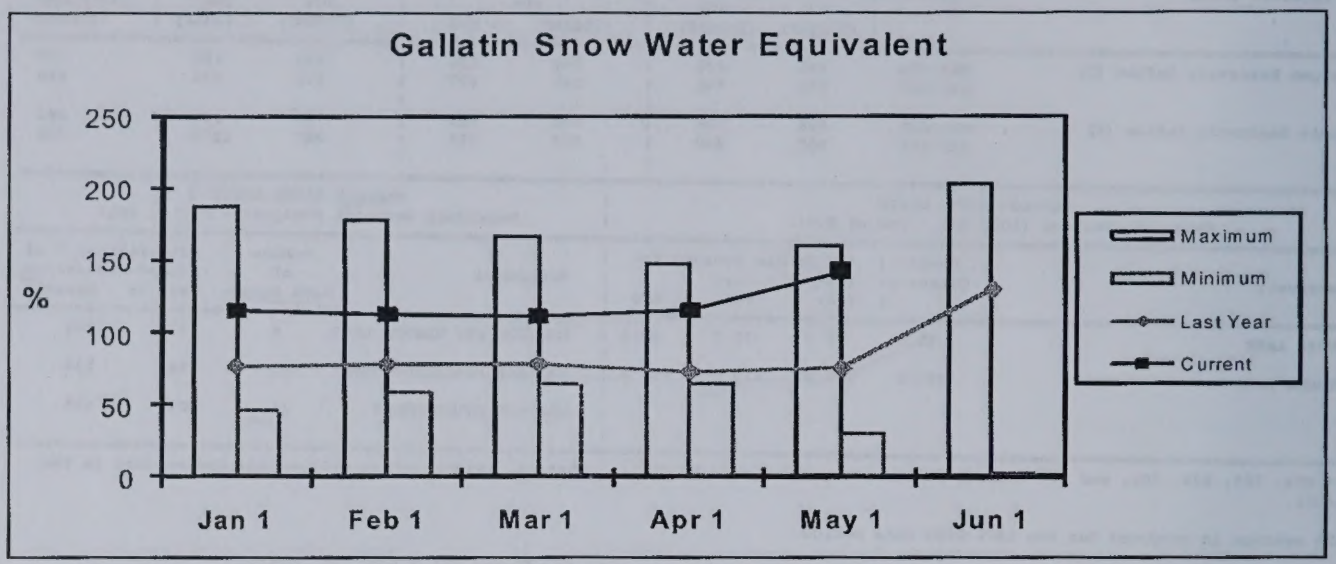
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

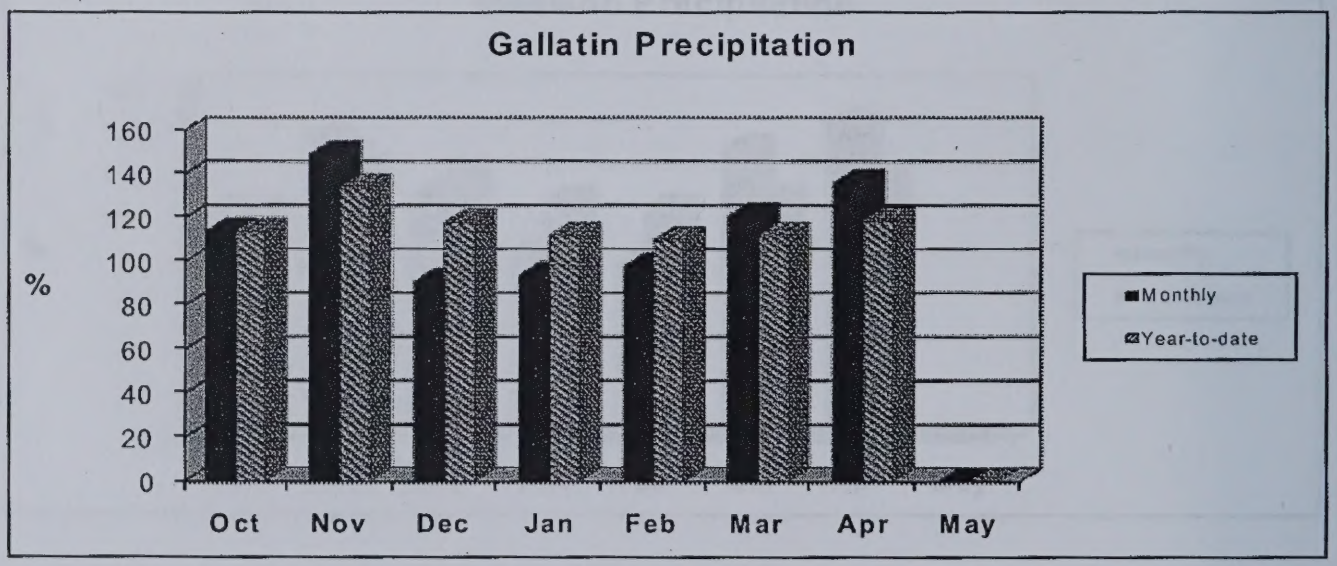
Gallatin River Basin

Snowpack conditions in the Gallatin River Basin were well above average and increased 27 percent from April 1. Snow water content was 143 percent of average and 195 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1966; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977and 2005; April maximum swe was in 1997 and minimum was in 1987; May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1975 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during April was 138 percent of average and 112 percent of last year. Valley precipitation during April was 96 percent of average and 160 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 119 percent of average and 136 percent of last year.



Middle Creek storage was 106 percent of average and 74 percent of last year.

Assuming average precipitation, May through July, streamflows are forecast to average 129 percent.

GALLATIN RIVER BASIN
Streamflow Forecasts - May 1, 2011

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Gallatin R nr Gateway	MAY-JUL	455	500	525	130	550	595	405
	MAY-SEP	530	580	610	127	640	690	480
Hyalite Reservoir Inflow (2)	MAY-JUL	21	23	24	120	25	27	20
	MAY-SEP	24	26	27	117	28	30	23
Gallatin R at Logan	MAY-JUL	455	535	585	138	635	715	425
	MAY-SEP	520	610	675	134	740	830	505

GALLATIN RIVER BASIN
Reservoir Storage (1000 AF) - End of April

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MIDDLE CREEK	10.2	5.6	7.6	5.3

GALLATIN RIVER BASIN
Watershed Snowpack Analysis - May 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
UPPER GALLATIN	7	205	139
HYALITE	3	189	135
BRIDGER	2	176	176
GALLATIN RIVER BASIN	12	195	143

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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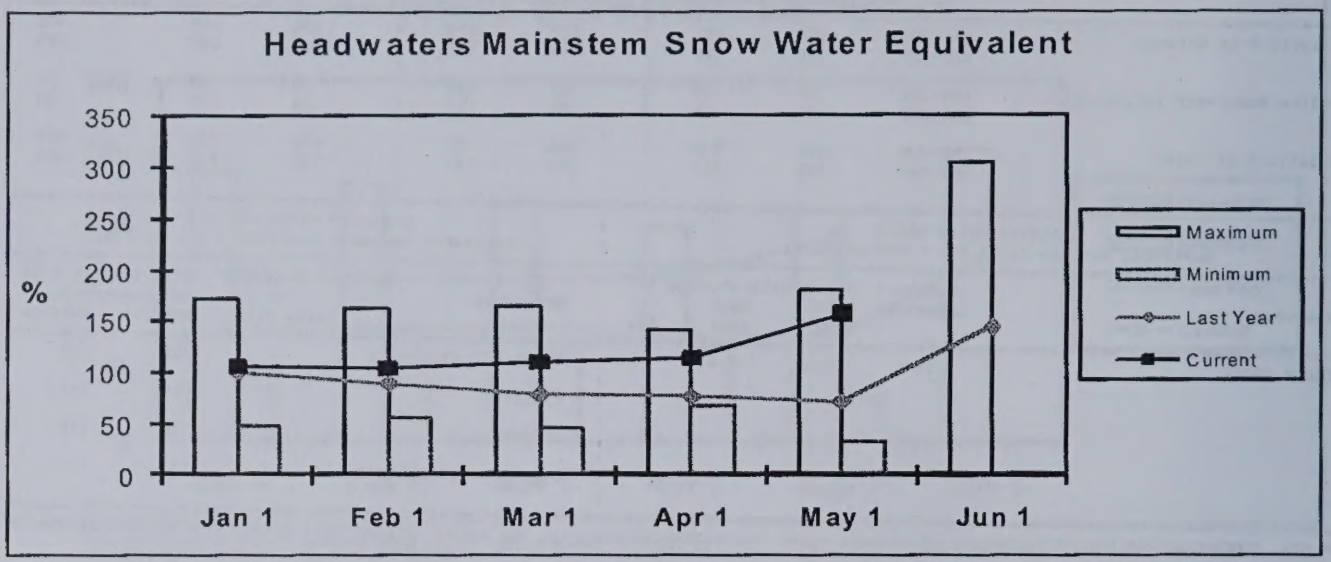
(3) - Median value used in place of average.

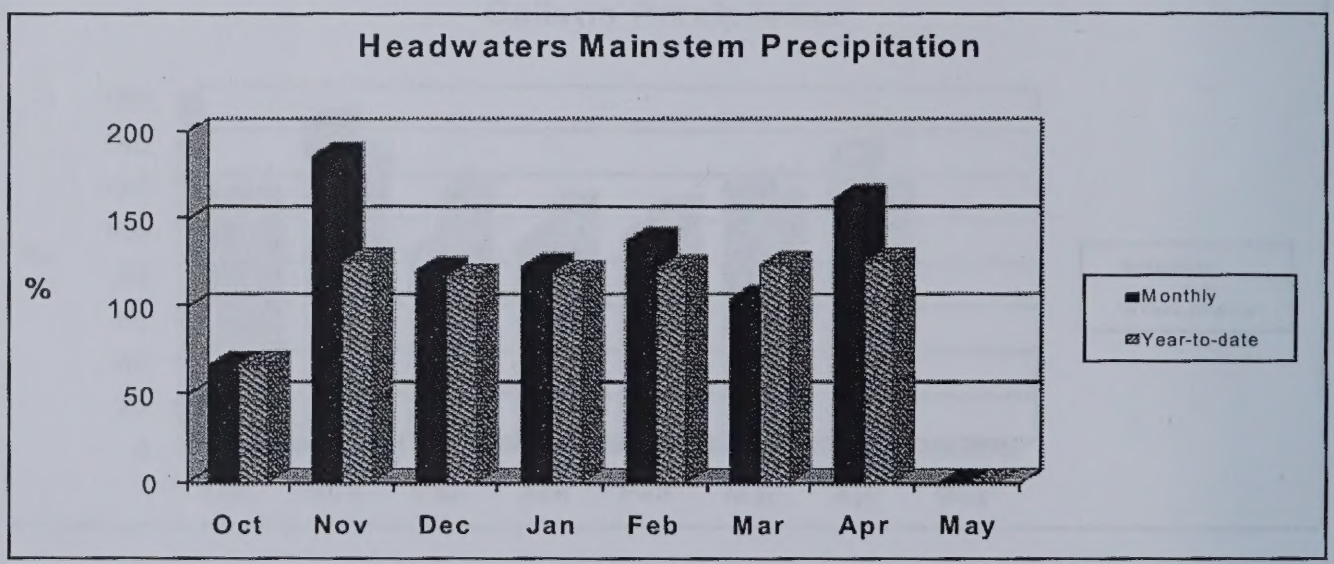
Missouri Mainstem River Basin

Snowpack conditions in the Headwaters Missouri Mainstem River Basin were well above average and increased 55 percent from April 1. Snow water content was 180 percent of average and 224 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum swe was in 1977 and 1988; March maximum swe in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1961, 1966 and 2005; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during April was 178 percent of average and 145 percent of last year. Valley precipitation during April was 143 percent of average and 97 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 126 percent of average and 127 percent of last year.



Canyon Ferry Lake storage was 92 percent of average and 85 percent of last year; Helena Valley storage was 117 percent of average and 96 percent of last year; Lake Helena storage was 93 percent of average and 101 percent of last year; Hauser & Helena storage was 123 percent of average and 100 percent of last year; Holter Lake storage was 104 percent of average and 99 percent of last year; and Fort Peck Lake storage was 109 percent of average and 125 percent of last year.

Assuming average precipitation, May through July, streamflows are forecast to average 136 percent.

MISSOURI MAINSTEM RIVER BASIN
Streamflow Forecasts - May 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Missouri R at Toston (2)	MAY-JUL	1850	2120	2310	136	2500	2770	1700
	MAY-SEP	2100	2540	2770	136	3000	3430	2040
Dearborn R nr Craig	MAY-JUL	104	130	147	139	164	190	106
	MAY-SEP	114	141	159	145	177	205	110
Missouri R at Fort Benton (2)	MAY-JUL	2560	3050	3380	135	3710	4200	2500
	MAY-SEP	3170	3760	4170	135	4580	5180	3080
Missouri R nr Virgelle (2)	MAY-JUL	2890	3460	3840	133	4220	4790	2890
	MAY-SEP	3520	4210	4670	133	5130	5820	3500
Missouri R nr Landusky (2)	MAY-JUL	3090	3690	4100	133	4510	5110	3080
	MAY-SEP	3690	4480	4980	133	5480	6270	3750
Missouri R bl Fort Peck Dam (2)	MAY-JUL	3210	3810	4220	137	4630	5230	3080
	MAY-SEP	3820	4540	5030	137	5520	6230	3670
Lake Sakakawea Inflow (2)	MAY-JUL	9060	10700	11800	141	12900	14500	8370
	MAY-SEP	11100	12500	13800	141	15100	16500	9810

MISSOURI MAINSTEM RIVER BASIN
Reservoir Storage (1000 AF) - End of April

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CANYON FERRY LAKE	2043.0	1363.0	1595.0	1483.5
HELENA VALLEY	9.2	8.9	9.3	7.6
LAKE HELENA	12.7	10.9	10.8	11.7
HAUSER & HELENA	74.6	73.9	73.6	60.1
HOLTER LAKE	81.9	80.0	80.9	77.1
FORT PECK LAKE	18910.0	16520.0	13180.0	15122.0

MISSOURI MAINSTEM RIVER BASIN
Watershed Snowpack Analysis - May 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
HEADWATERS MAINSTEM	9	220	157
SMITH-JUDITH-MUSSELSHELL	14	169	188
SUN-TETON-MARIAS	13	349	166
MAINSTEM ab FT PECK RES	35	229	174
MILK RIVER BASIN	3	208	334
MISSOURI MAINSTEM BASIN	37	224	180

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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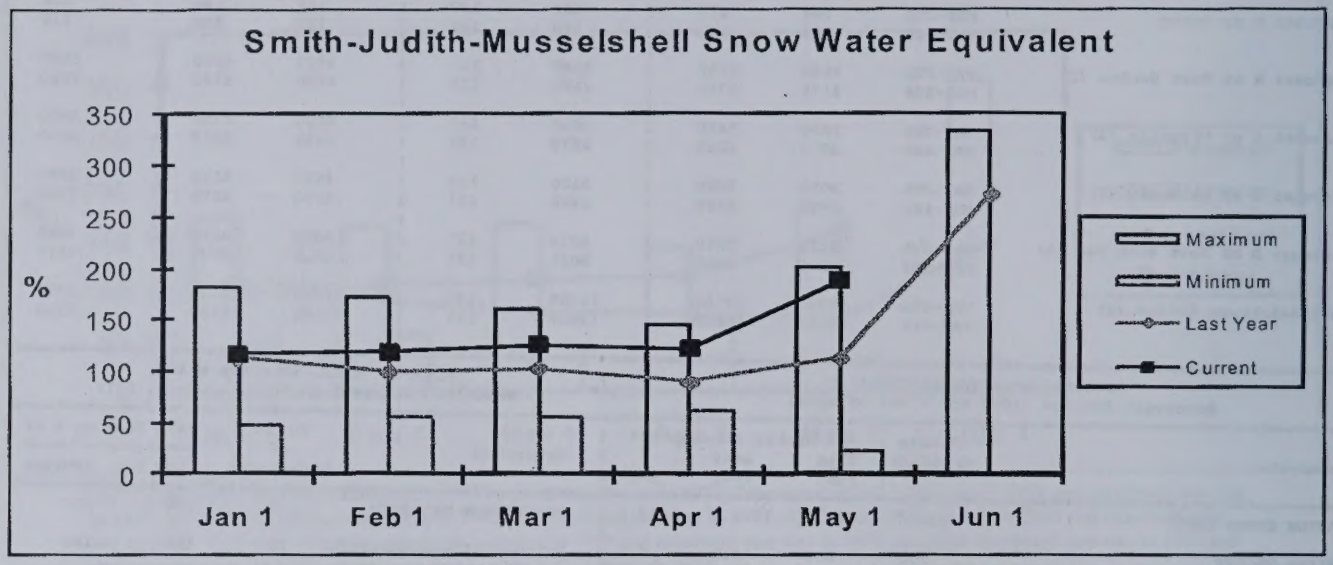
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

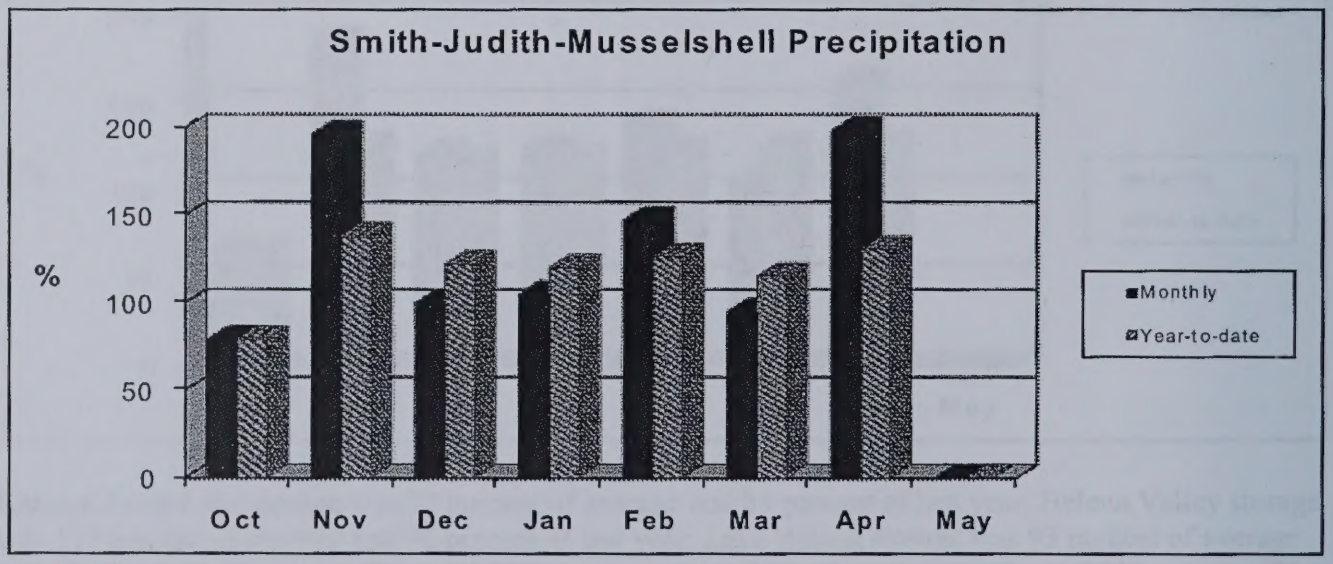
Smith-Judith-Musselshell River Basins

Snowpack conditions in the Smith-Judith-Musselshell River Basins were well above average and increased 66 percent from April 1. Snow water content was 188 percent of average and 169 percent of last year. Snow water content in the Smith River Basin was 173 percent of average and 173 percent of last year; the Judith River Basin was 197 percent of average and 146 percent of last year; and the Musselshell Basin River was 177 percent of average and 235 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1988; February maximum swe was in 1978 and minimum swe was in 1987; March maximum swe was in 1978 and minimum swe was in 1987 and 2005; April maximum swe was in 1970 and minimum swe was in 1992; and May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1967 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during April in the Smith-Belts was 185 percent of average and 94 percent of last year; in the Judith was 204 percent of average and 106 percent of last year; and in the Musselshell was 215 percent of average and 207 percent of last year. Mountain and valley water year precipitation for the greater basin, beginning October 1, 2010, was 130 percent of average and 116 percent of last year.



Smith River storage was 120 percent of average and 126 percent of last year; Ackley storage was 113 percent of average and 102 percent of last year; Bair storage was 135 percent of average and 148 percent of last year; Martinsdale storage was 128 percent of average and 88 percent of last year; and Deadman's Basin was 116 percent of average and 132 percent of last year.

Assuming average precipitation, May through July, streamflows are forecast to average 178 percent.

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Streamflow Forecasts - May 1, 2011

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Sheep Ck nr White Sulphur Springs	MAY-JUL	18.0	21	23	152	25	28	15.1
	MAY-SEP	21	25	27	149	29	33	18.1
Smith R bl Eagle Ck (2)	MAY-JUL	115	142	161	141	180	205	114
	MAY-SEP	128	161	184	142	205	240	130
NF Musselshell R nr Delpine	MAY-JUL	4.3	5.7	6.7	181	7.7	9.1	3.7
	MAY-SEP	5.3	7.0	8.1	176	9.2	10.9	4.6
SF Musselshell R ab Martinsdale	MAY-JUL	42	61	74	161	87	106	46
	MAY-SEP	46	66	79	158	92	112	50
Musselshell R at Harlowton (2)	MAY-JUL	75	106	127	195	148	179	65
	MAY-SEP	78	111	133	193	155	188	69
Musselshell R nr Roundup (2)	MAY-JUL	159	177	189	236	200	220	80
	MAY-SEP	162	181	194	237	205	225	82

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Reservoir Storage (1000 AF) - End of April

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
SMITH RIVER	10.6	10.8	8.6	9.0
ACKLEY LAKE	7.0	4.3	4.2	3.8
BAIR	7.0	7.4	5.0	5.5
MARTINSDALE	23.1	17.7	20.1	13.8
DEADMAN'S BASIN	72.2	68.4	52.0	58.9

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Watershed Snowpack Analysis - May 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	This Year as % of Average
SMITH	8	173	173
HIGHWOOD	0	0	0
JUDITH	6	146	197
MUSSELSHELL	5	235	177
SMITH-JUDITH-MUSSELSHELL	14	169	188

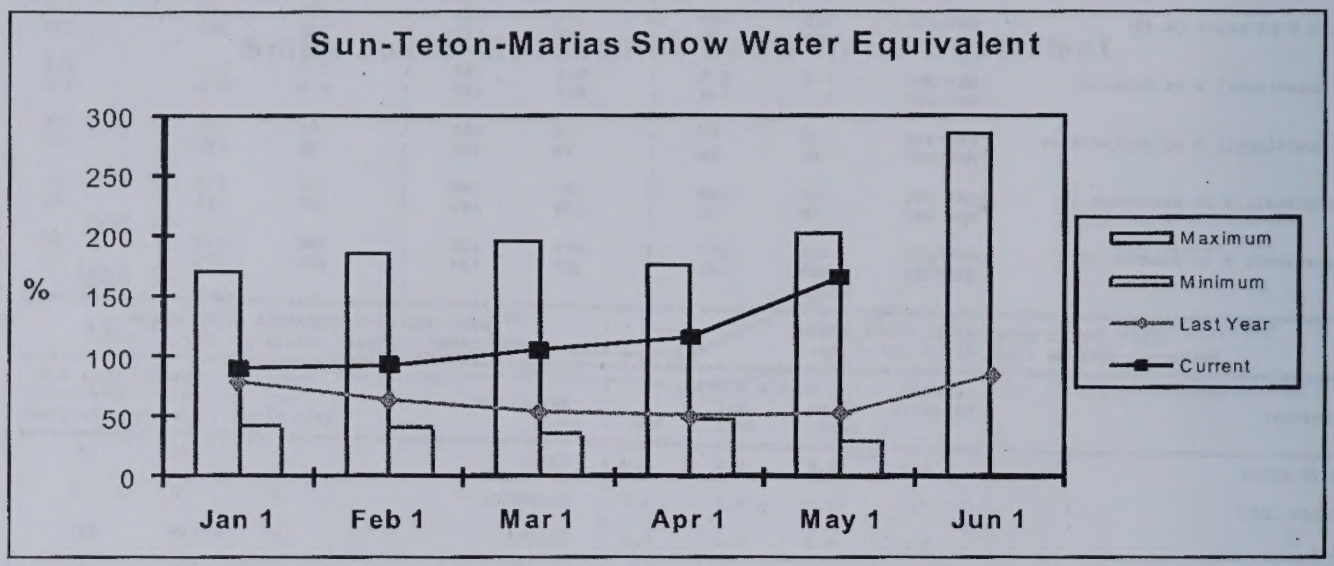
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

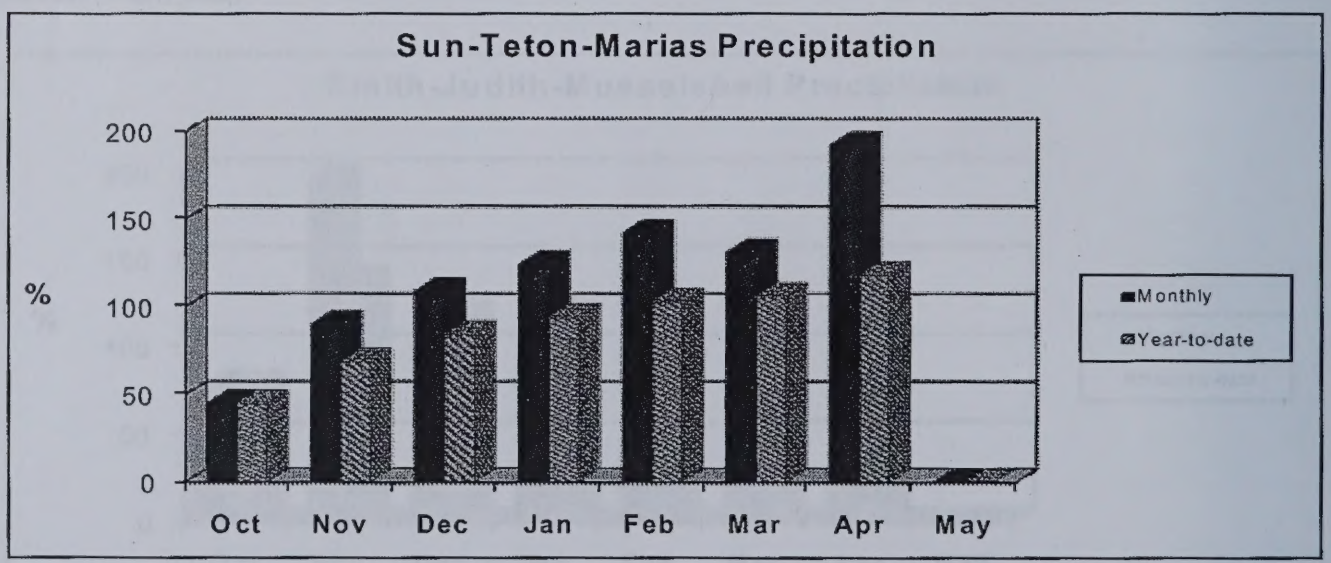
Sun-Teton-Marias River Basins

Snowpack conditions in the Sun-Teton-Marias River Basins were well above average and increased 49 percent from April 1. Snow water content was 166 percent of average and 349 percent of last year. Snow water content in the Sun River Basin was 188 percent of average and 415 percent of last year; the Teton River Basin was 185 percent of average and 392 percent of last year; and the Marias River Basin was 150 percent of average and 313 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum was in 1972 and minimum swe was in 1987, 1992, and 1998. Average is for the period 1971 through 2000.

Mountain and valley precipitation during April in the Sun was 176 percent of average and 221 percent of last year; in the Teton was 206 percent of average and 122 percent of last year; and in the Marias was 190 percent of average and 157 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 118 percent of average and 151 percent of last year.



Gibson storage was 33 percent of average and 39 percent of last year; Pishkun storage was 81 percent of average and 105 percent of last year; Willow Creek storage was 111 percent of average and 95 percent of last year; Swift storage was 24 percent of average and 23 percent of last year; Lake Frances storage was 123 percent of average and 182 percent of last year; and Lake Elwell (Tiber) storage was 116 percent of average and 109 percent of last year.

Assuming average precipitation, May through July, streamflows are forecast to average 154 percent.

SUN-TETON-MARIAS RIVER BASINS
Streamflow Forecasts - May 1, 2011

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Gibson Reservoir Inflow (2)	MAY-JUL	555	595	620	149	645	685	415
	MAY-SEP	605	645	675	145	705	745	465
Two Medicine R nr Browning (2)	MAY-JUL	220	240	255	147	270	290	174
	MAY-SEP	235	255	270	144	285	305	187
Badger Ck nr Browning	MAY-JUL	94	105	112	147	119	130	76
	MAY-SEP	101	114	123	145	132	145	85
Swift Reservoir Inflow (2)	MAY-JUL	68	78	84	147	90	100	57
	MAY-SEP	80	91	99	144	107	118	69
Dupuyer Ck nr Valier	MAY-JUL	7.2	13.6	18.0	155	22	29	11.6
	MAY-SEP	7.9	15.1	20	150	25	32	13.3
Cut Bank Ck nr Browning	MAY-JUL	88	99	106	154	113	124	69
	MAY-SEP	96	108	116	153	124	136	76
Marias R nr Shelby (2)	MAY-JUL	425	510	570	165	630	715	345
	MAY-SEP	430	525	590	160	655	750	370
Teton R nr Dutton	MAY-JUL	33	55	70	167	85	107	42
	MAY-SEP	39	63	79	158	95	119	50

SUN-TETON-MARIAS RIVER BASINS
Reservoir Storage (1000 AF) - End of April

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
GIBSON	99.1	20.4	52.7	61.8
PISHKUN	32.0	20.8	19.8	25.8
WILLOW CREEK	32.2	28.1	29.5	25.3
LOWER TWO MEDICINE LAKE		NO REPORT		
FOUR HORNS LAKE		NO REPORT		
SWIFT	30.0	4.5	19.8	18.5
LAKE FRANCES	112.0	92.9	51.1	75.6
LAKE ELWELL (TIBER)	1347.0	764.3	699.0	658.6

SUN-TETON-MARIAS RIVER BASINS
Watershed Snowpack Analysis - May 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SUN	6	415	188
TETON	4	392	185
MARIAS	6	313	150
SUN-TETON-MARIAS	13	349	166

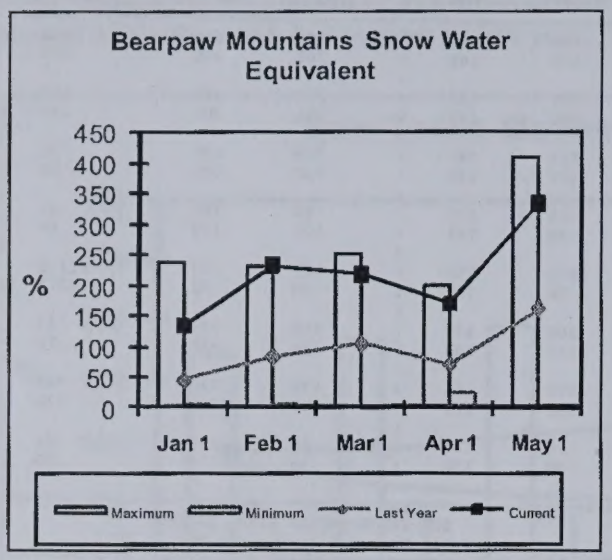
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

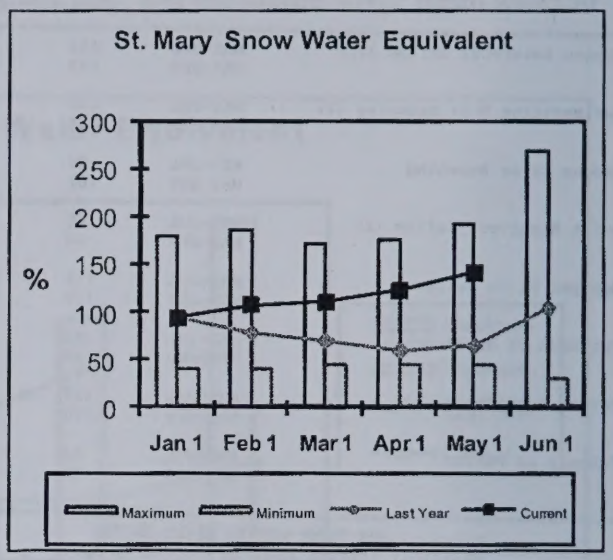
The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

St. Mary and Milk River Basins

Snowpack in the Saint Mary River Basin was well above average and increased 5 percent from April 1. Snow water content was 145 percent of average and 218 percent of last year. The Milk River Basin (Bearpaw Mountains) was well above average. Snow water content was 334 percent of average and 208 percent of last year.

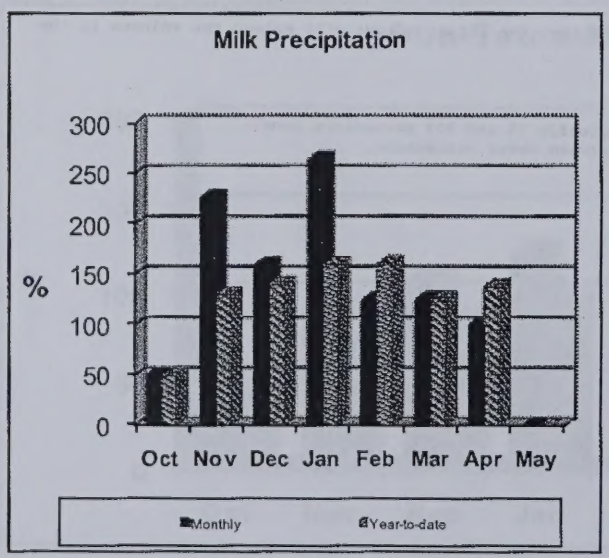


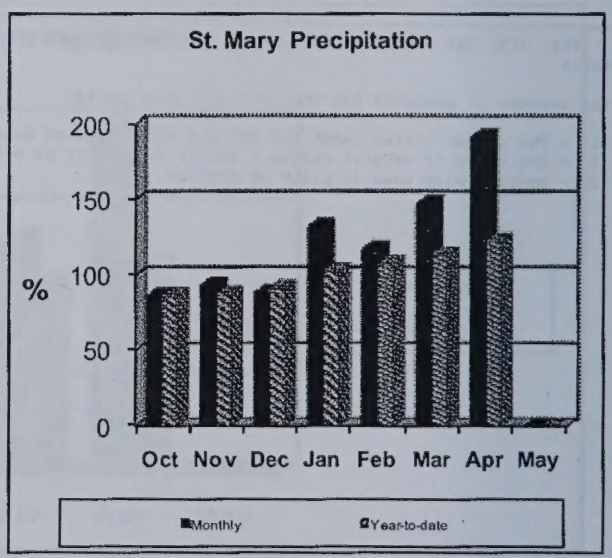


Bearpaw - January maximum swe was established in 1978 and minimum swe was in 1981; February maximum swe was 1978 and minimum was in 1973; March maximum swe was 1978 and minimum swe was 2005; April maximum swe was in 1985 and minimum swe was in 1973, 1983, and 1986; May maximum swe was 1975 and the minimum, 0.0, has occurred in several years. Average is for the period 1971 through 2000.

St. Mary - January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1967 and 1972 and minimum swe was in 2005; May maximum swe was in 19972 and minimum swe was in 1977; and June maximum swe was in 1972 and minimum swe was 1992. Average is for the period 1971 through 2000.

Mountain and valley precipitation in the St. Mary River Basin during April was 191 percent of average and 168 percent of last year; and in the Milk River Basin during April was 100 percent of average and 33 percent of last year. Mountain and valley water year precipitation for both basins, beginning October 1, 2010, was 128 percent of average and 124 percent of last year.





Assuming average precipitation, May through July, streamflows in the St. Mary are forecast to average 143 percent and the Milk to average 192 percent.

Lake Sherburne storage was 119 percent of average and 222 percent of last year; Fresno storage was 109 percent of average and 113 percent of last year; Beaver Creek storage was not available; and Nelson storage was 137 percent of average and 101 percent of last year.

ST. MARY and MILK RIVER BASINS
Streamflow Forecasts - May 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Lake Sherburne Inflow (2)	MAY-JUL	119	127	133	142	139	147	94
	MAY-SEP	136	145	152	136	159	168	112
St. Mary R nr Babb (2)	MAY-JUL	440	475	500	141	525	560	355
	MAY-SEP	510	550	580	137	610	650	425
St. Mary R at Int'l Boundary (2)	MAY-JUL	495	545	580	145	615	665	400
	MAY-SEP	565	620	660	139	700	755	475
Milk R at Western Crossing (3)	MAY-JUL	26	32	36	180	40	46	20
	MAY-SEP	26	33	38	165	43	50	23
Milk R at Eastern Crossing (2,3)	MAY-JUL	39	63	79	189	95	119	42
	MAY-SEP	49	73	90	184	107	131	49
Beaver Ck nr Havre	MAY-JUL	11.5	13.3	14.5	207	15.7	17.5	7.0

ST. MARY and MILK RIVER BASINS
Reservoir Storage (1000 AF) - End of April

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE SHERBURNE	64.3	26.4	11.9	22.2
FRESNO	127.0	98.7	87.5	90.9
BEAVER CREEK		NO REPORT		
NELSON	66.8	58.5	58.2	42.7

ST. MARY and MILK RIVER BASINS
Watershed Snowpack Analysis - May 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
ST. MARY	8	218	142
BEARPAW MOUNTAINS	3	208	334
CYPRESS HILLS, CANADA	0	0	0
MILK RIVER BASIN	3	208	334
ST. MARY & MILK BASINS	11	218	145

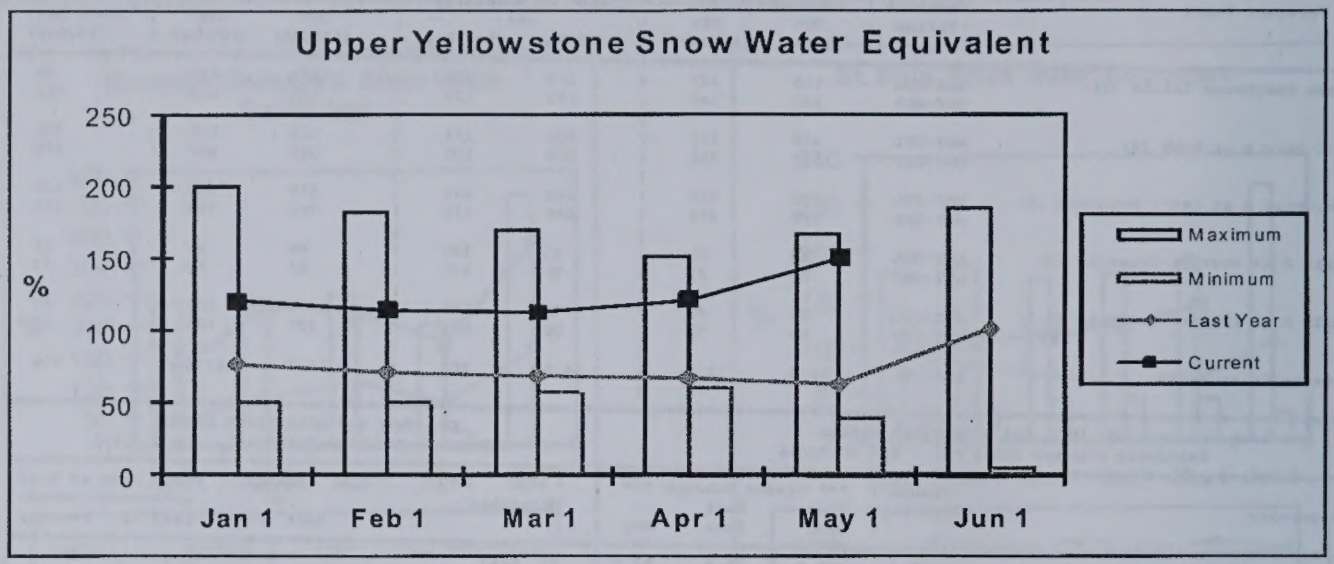
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

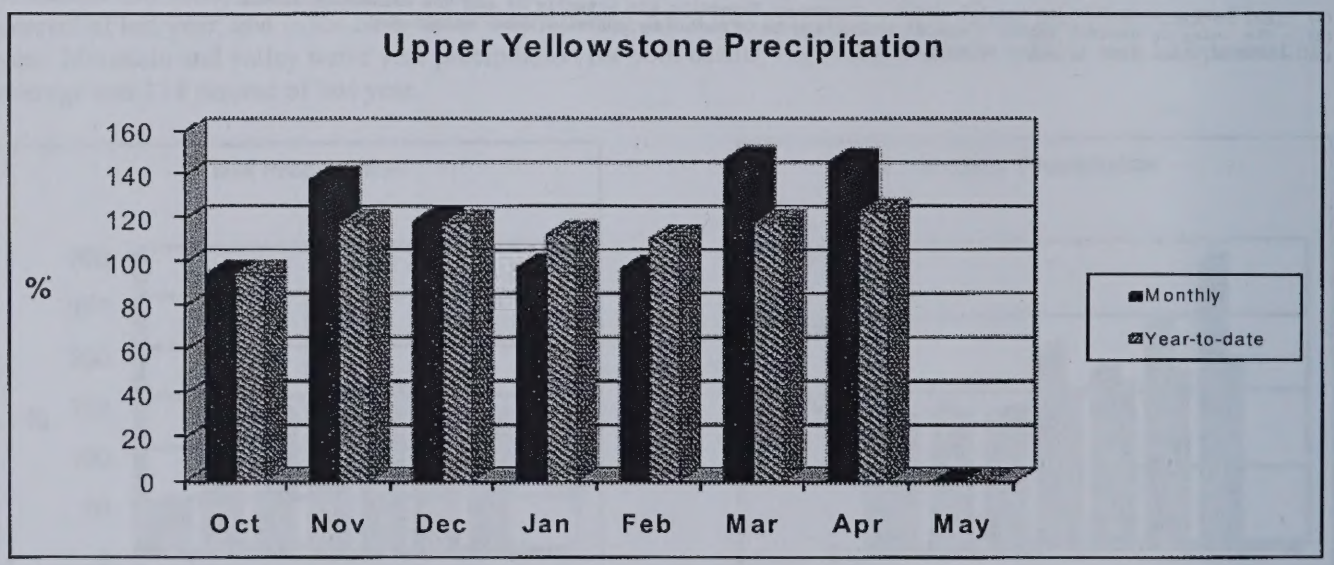
Upper Yellowstone River Basin

Snowpack conditions in the Upper Yellowstone River Basin were well above average and increased 29 percent from April 1. Snow water content was 151 percent of average and 239 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1997 and minimum swe was in 2001; April maximum swe was in 1997 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1987; and June maximum swe was 1996 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during April was 159 percent of average and 151 percent of last year. Valley precipitation during April was 81 percent of average and 130 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 123 percent of average and 161 percent of last year.



Mystic Lake storage was 90 percent of average and 41 percent of last year and Cooney storage was 122 percent of average and 113 percent of last year.

Assuming average precipitation, May through July, streamflows are forecast to average 142 percent.

UPPER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - May 1, 2011

Forecast Point	Forecast Period	<<== Drier == Future Conditions == Wetter ==>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Yellowstone R at Yellowstone Lake	MAY-JUL	730	790	830	150	870	930	555
	MAY-SEP	980	1050	1100	143	1150	1220	770
Yellowstone R at Corwin Springs	MAY-JUL	2010	2170	2270	147	2370	2530	1550
	MAY-SEP	2370	2550	2680	143	2810	2990	1870
Yellowstone R at Livingston	MAY-JUL	2260	2450	2580	146	2710	2900	1770
	MAY-SEP	2670	2900	3050	142	3200	3430	2150
Shields R nr Livingston	MAY-JUL	129	168	195	161	220	260	121
	MAY-SEP	140	185	215	156	245	290	138
Boulder R at Big Timber	MAY-JUL	330	360	380	138	400	430	275
	MAY-SEP	355	390	415	138	440	475	300
West Rosebud Ck nr Roscoe (2)	MAY-JUL	71	75	78	135	81	85	58
	MAY-SEP	91	98	102	136	106	113	75
Stillwater R nr Absarokee (2)	MAY-JUL	530	580	615	131	650	700	470
	MAY-SEP	625	690	730	130	770	835	560
Clarks Fk Yellowstone R nr Belfry	MAY-JUL	650	690	720	140	750	790	515
	MAY-SEP	715	765	800	140	835	885	570
Cooney Reservoir Inflow (2)	MAY-JUL	35	42	47	124	52	59	38
	MAY-SEP	47	55	61	125	67	75	49
Yellowstone R at Billings (2)	MAY-JUL	3830	4340	4680	144	5020	5530	3250
	MAY-SEP	4530	5130	5540	144	5950	6550	3850

UPPER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of April

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MYSTIC LAKE	21.0	0.9	2.2	1.0
COONEY	27.4	25.4	22.5	20.9

UPPER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - May 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
YELLOWSTONE ab LIVINGSTON	17	253	155
SHIELDS	4	176	166
BOULDER-STILLWATER	4	242	155
RED LODGE-ROCK CREEK	7	243	121
CLARK'S FORK	7	240	145
UPPER YELLOWSTONE BASIN	35	239	151

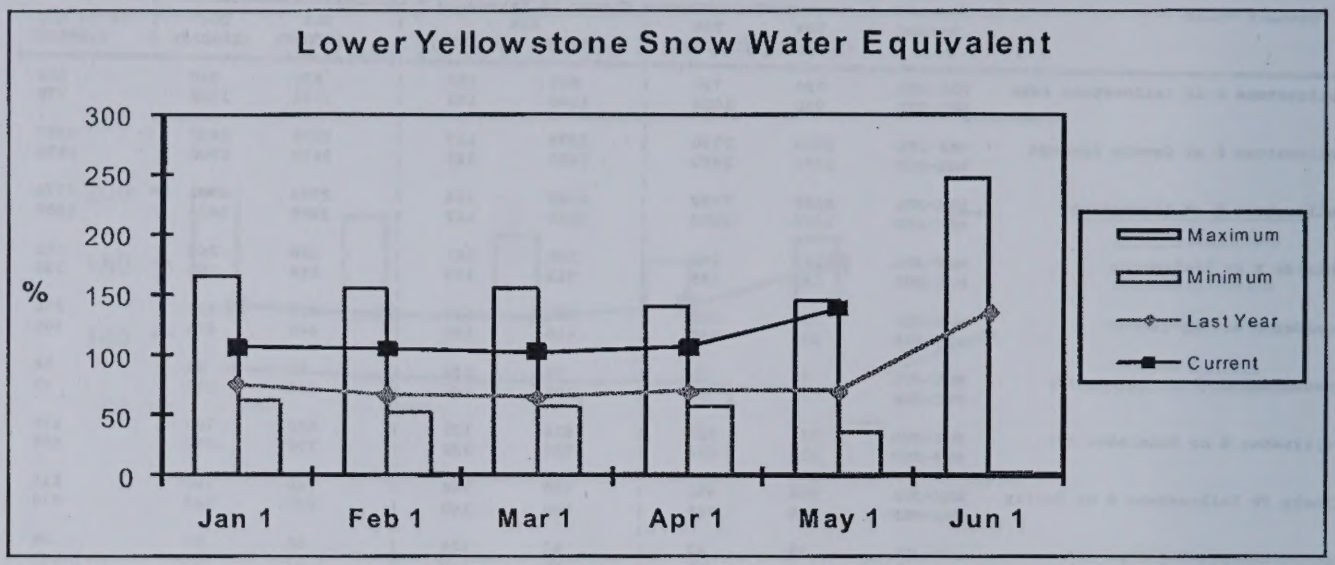
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

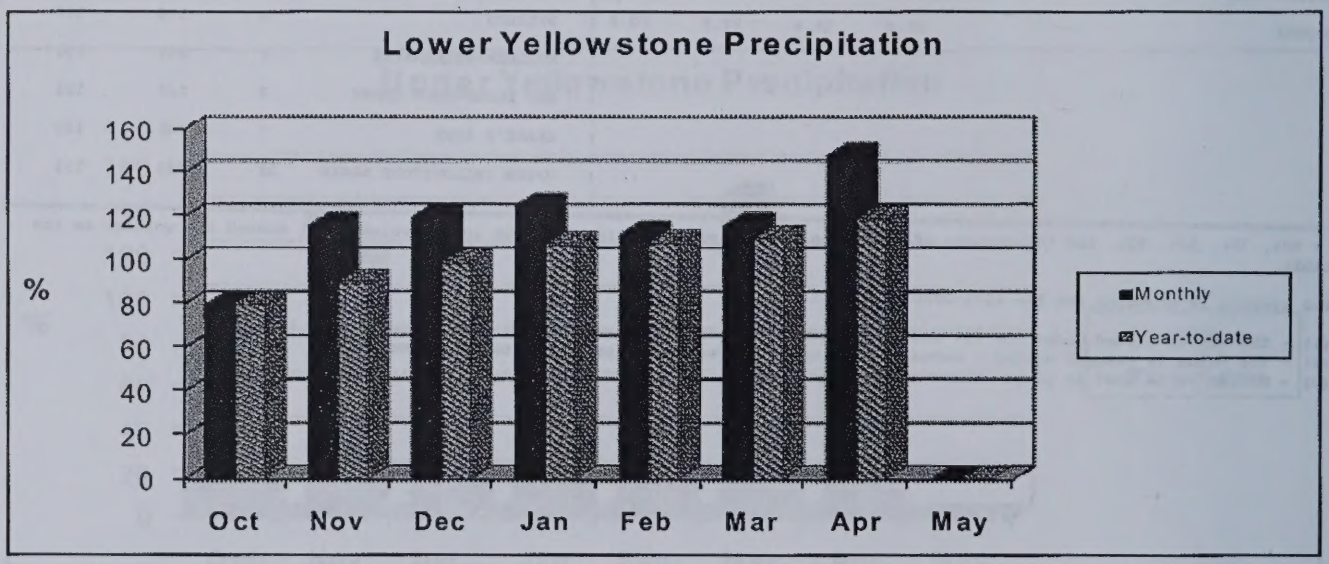
Lower Yellowstone River Basin

Snowpack conditions in the Lower Yellowstone River Basin were well above average and increased 32 percent from April 1. Snow water content was 139 percent of average and 199 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 2000; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1986 and minimum swe was in 2001; April maximum swe was in 1986 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1981; and June maximum swe was in 1995 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during April was 148 percent of average and 126 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2010, was 119 percent of average and 137 percent of last year.



Bighorn Lake storage was 104 percent of average and 88 percent of last year and Tongue River storage was 161 percent of average and 80 percent of last year.

Assuming average precipitation, May through July, streamflows are forecast to average 138 percent.

LOWER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - May 1, 2011

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Bighorn R nr St. Xavier (2)	MAY-JUL	1810	2040	2200	150	2360	2590	1470
	MAY-SEP	2000	2260	2440	150	2620	2880	1630
Little Bighorn R nr Hardin	MAY-JUL	106	124	136	124	148	166	110
	MAY-SEP	119	138	151	120	164	183	126
Tongue R nr Dayton (2)	MAY-JUL	85	101	112	124	123	139	90
	MAY-SEP	98	115	127	123	139	156	103
Big Goose Ck nr Sheridan	MAY-JUL	49	58	63	129	68	77	49
	MAY-SEP	58	66	72	124	78	86	58
Little Goose Ck nr Bighorn	MAY-JUL	33	38	41	128	44	49	32
	MAY-SEP	42	47	51	128	55	60	40
Tongue River Reservoir Inflow (2)	MAY-JUL	180	235	270	136	305	360	199
	MAY-SEP	210	265	305	136	345	400	225
Yellowstone R at Miles City (2)	MAY-JUL	5710	6470	6990	143	7510	8270	4890
	MAY-SEP	6680	7570	8180	143	8790	9680	5740
Powder R at Moorhead	MAY-JUL	174	225	260	146	295	345	178
	MAY-SEP	195	250	285	143	320	375	200
Powder R nr Locate	MAY-JUL	181	245	290	149	335	400	195
	MAY-SEP	200	270	320	146	370	440	220
Yellowstone R nr Sidney (2)	MAY-JUL	6030	6810	7330	148	7850	8630	4950
	MAY-SEP	7000	7890	8500	148	9110	10000	5760

LOWER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of April

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
BIGHORN LAKE	1356.0	821.9	933.8	791.9
TONGUE RIVER	79.1	50.9	63.7	31.7

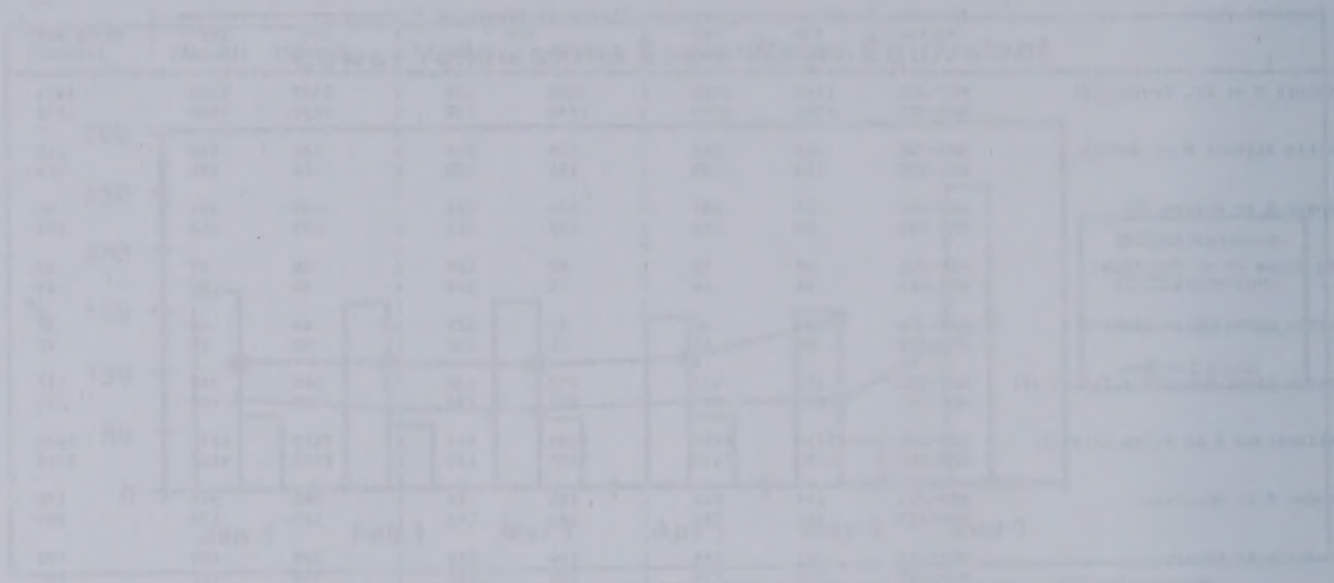
LOWER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - May 1, 2011

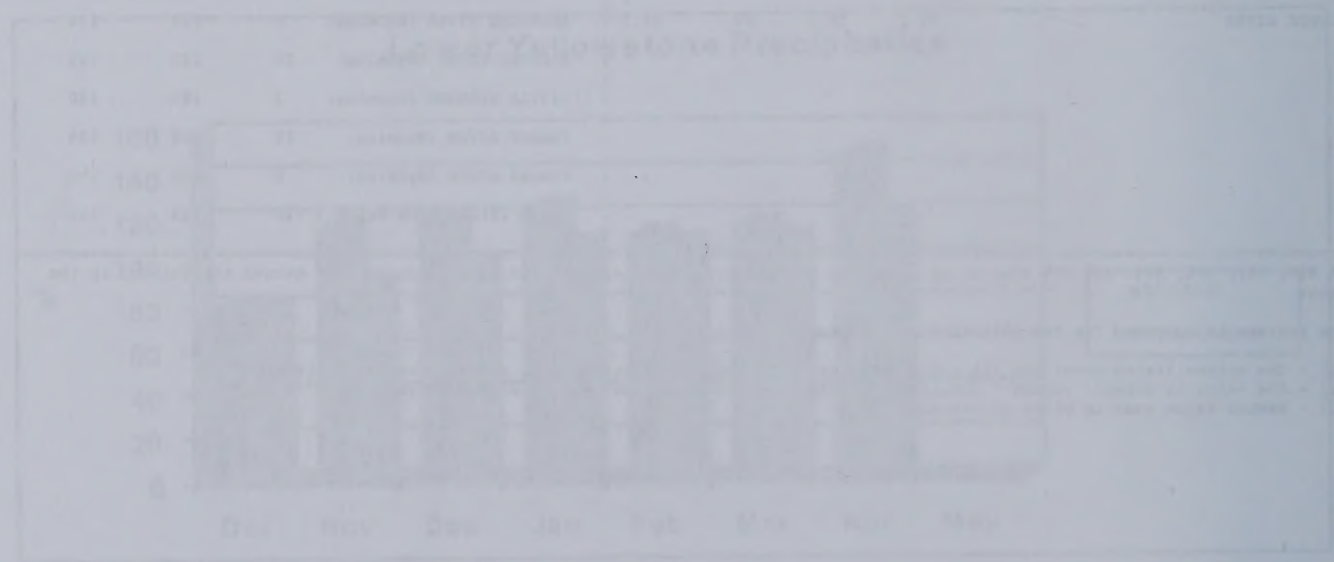
Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WIND RIVER (Wyoming)	20	168	132
SHOSHONE RIVER (Wyoming)	6	229	130
BIGHORN RIVER (Wyoming)	20	232	145
LITTLE BIGHORN (Wyoming)	3	181	130
TONGUE RIVER (Wyoming)	10	182	135
POWDER RIVER (Wyoming)	9	210	152
LOWER YELLOWSTONE BASIN (	48	199	139

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.





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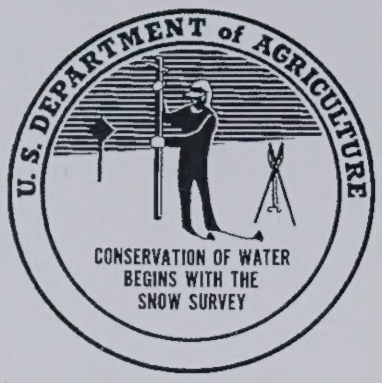

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Montana
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Natural Resources Conservation Service
Bozeman, MT